

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN DUPLICATE*
 (Other instructions on
 reverse side)

5. Lease Designation and Serial No.

Fee Lease

6. If Indian, Allottee or Tribe Name

Not Applicable

7. Unit Agreement Name

Not Applicable

8. Farm or Lease Name

Brotherson

9. Well No.

3-23B4

10. Field and Pool or Wildcat

Bluebell-Altamont

11. Sec., T., R., M., or Blk.
and Survey or Area

Section 23, T2S, R4W

12. County or Parrish 13. State

Duchesne Utah

1a. Type of Work

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. Type of Well

Oil
Well ☒Gas
Well ☐

Other

Single
Zone ☐Multiple
Zone ☐

2. Name of Operator

ANR Production Company

3. Address of Operator

P. O. Box 749, Denver, Colorado 80201-0749

4. Location of Well (Report location clearly and in accordance with any State requirements.)*

At surface

1177' FSL, 1112' FWL (NE 1/4 SW 1/4) 23-2S-4W

At proposed prod. zone

Same As Above

14. Distance in miles and direction from nearest town or post office*

Approximately 10 Miles Northeast of Duchesne, Utah

15. Distance from proposed*

location to nearest

property or lease line, ft.

(Also to nearest drlg. line, if any)

1177'

16. No. of acres in lease

960

17. No. of acres assigned
to this well

320 Two (2) Wells Per Section

18. Distance from proposed location*
to nearest well, drilling, completed,
or applied for, on this lease, ft.

3300'

19. Proposed depth

12,800' *NOTE*

20. Rotary or cable tools

Rotary

21. Elevations (Show whether DF, RT, GR, etc.)

6341' GR

22. Approx. date work will start*

November 1, 1990

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
17-1/2"	13-3/8" Steel	Conductor	0- 200'	150 sx Redimix Circ. to Surf.
12-1/4"	9-5/8" J-55	36#	0- 3,000'	900 sx Circ. to Surface
8-3/4"	7" N-80	26#	0-10,500'	1500 sx Class "H" Nitrate Foam
6-1/2"	5" S-95	18#	10,300-12,800'	500 sx 50/50 Pozmix

PLEASE REFER TO ATTACHED DRILLING PROGNOSIS.

TECHNICAL REVIEW

Engr. *[Signature]*Geol. *[Signature]*Surface *[Signature]*

10-4-90
 10/4/90

OIL AND GAS	
DEN	RJF
JB	GLH
DIS	SLS
I-TAS	
MICROFILM	
FILE	

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

Signed

Dale Heitzman

Title Authorized Agent

Date 09/24/90

(This space for Federal or State office use)

Permit No.

13-013-31089

Approval Date

Approved by

Title

Conditions of approval, if any:

RECEIVED BY THE STATE
 DIVISION OF
 OIL, GAS, AND MINING

Date 10/16/90
[Signature]

RECORDING: 13943 4-17-85

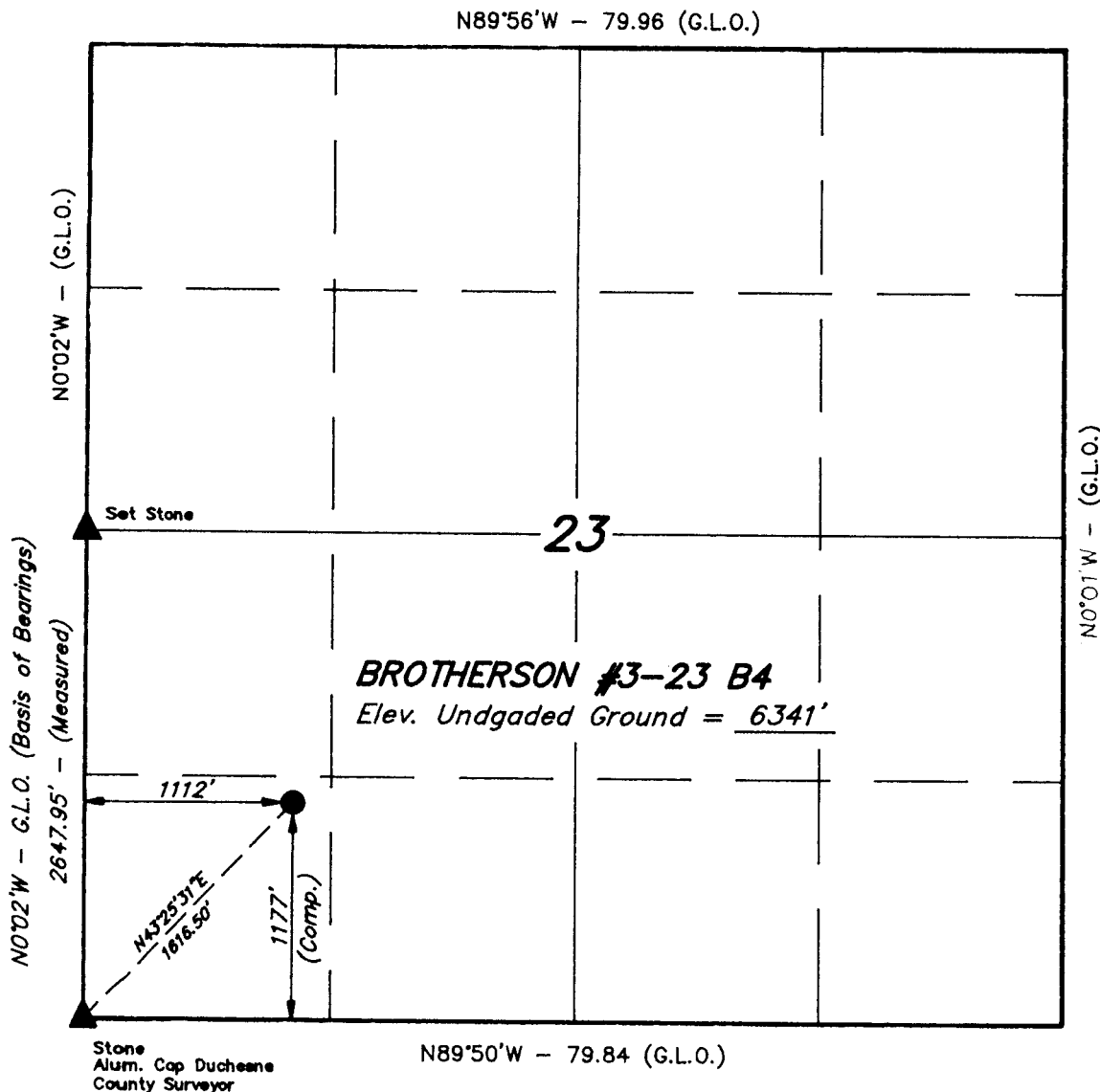
T2S, R4W, U.S.B.&M.

ANR PRODUCTION CO.

Well location BROTHERSON #3-23 B4,
located as shown in the SW 1/4 SW 1/4
of Section 23, T2S, R4W, U.S.B.&M. Duchesne
County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION AT THE SW CORNER OF SECTION 23.
T2S, R4W, U.S.B.&M. TAKEN FROM THE ALTAMONT
QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MIN. QUAD.
(TOPOGRAPHICAL MAP). PUBLISHED BY THE UNITED STATES
DEPARTMENT OF THE INTERIOR. GEOLOGICAL SURVEY.
SAID ELEVATION IS MARKED AS BEING 6353 FEET.



N0°01'W - (G.L.O.)



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF.

[Signature]
REGISTERED LAND SURVEYOR
REGISTRATION NO. 5709
STATE OF UTAH.

UTAH ENGINEERING & LAND SURVEYING
P. O. BOX 1758 - 85 SOUTH - 200 EAST
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 9-13-90
PARTY L.D.T. G.T. T.D.H.	REFERENCES G.L.O. PLAT
WEATHER WARM, CLEAR	FILE ANR PRODUCTION CO.

▲ = SECTION CORNERS LOCATED.

#3-23B4 Brotherson
SW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 23, T2S, R4W
Duchesne County, Utah

1. Estimated Tops of Important Geologic Markers:

2. Estimated Depths of Anticipated Water, Oil, Gas or Mineral Formations:

All fresh water and prospectively valuable minerals encountered during drilling will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

3. Pressure Control Equipment: (Schematic Attached)

4. Mud Program:

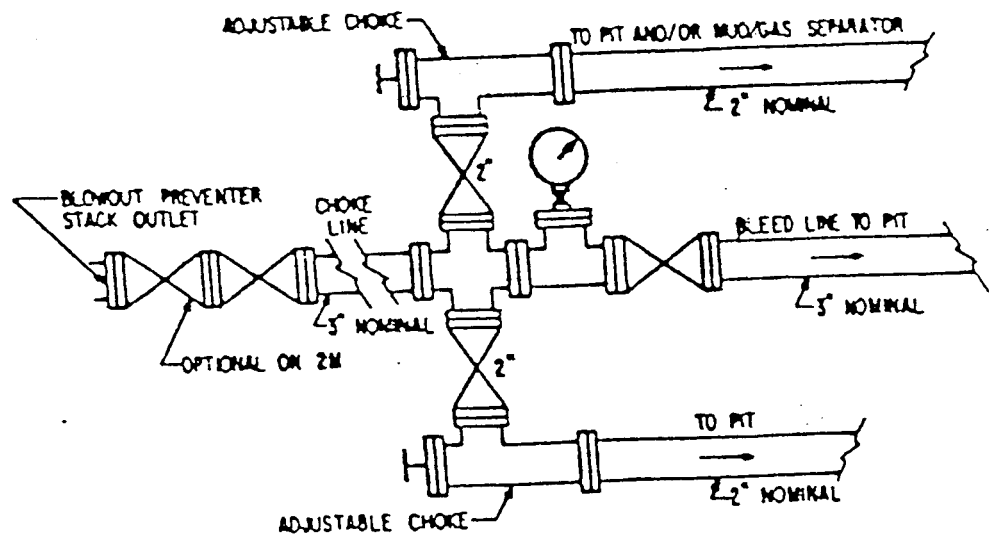
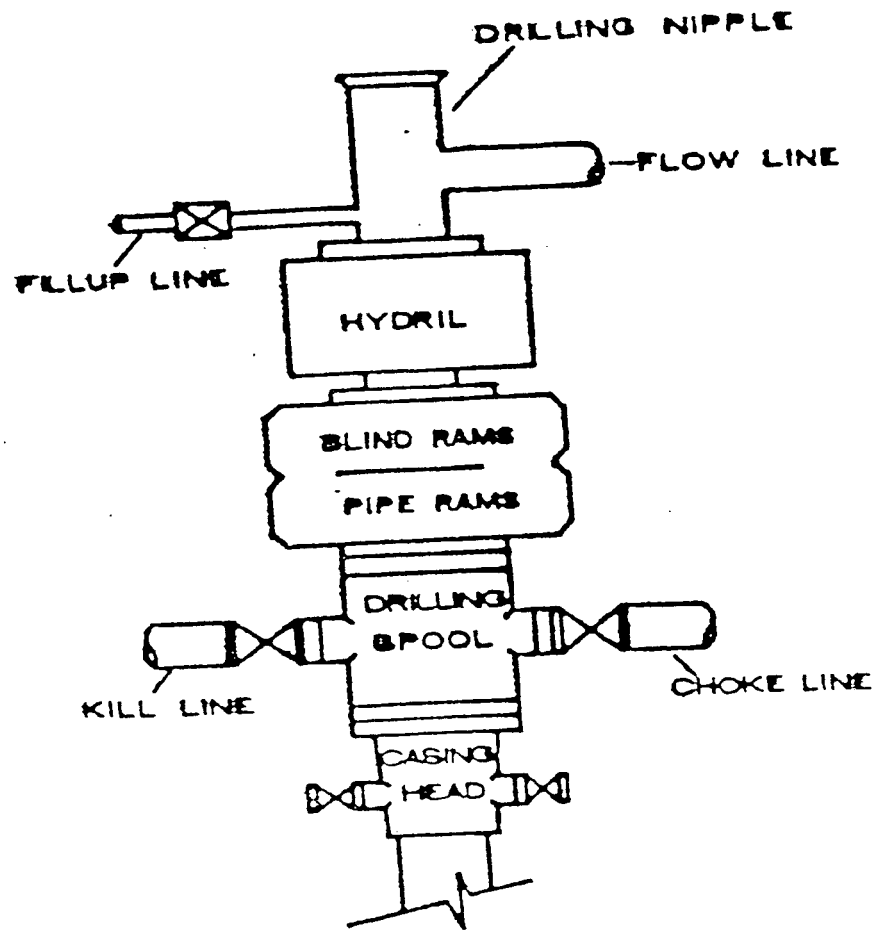
5. Evaluation Program:

DST's : None Anticipated.

Cores : None Anticipated.

Evaluation Program may change at the discretion of the wellsite geologist.

BOP STACK



ANR PRODUCTION COMPANY

#3-23B4 Brotherson
SW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 23, T2S, R4W
Duchesne County, Utah

Supplement to Application for Permit to Drill

1. Location and Type of Water Supply:

- A. Dalbo Trucking will supply water from the Duchesne River located in the NE $\frac{1}{4}$ Section 1, Township 2 South, Range 4 West; Water Right # 43-101-68.

2. Methods of Handling Water Disposal:

- A. Sewage - self-contained, chemical toilets will be provided for human waste disposal. Upon completion of operations, the holding tanks will be pumped and the contents disposed of in a municipal sewage treatment facility or other authorized disposal facility.
- B. Garbage and other waste materials - all trash will be contained in a portable trash cage. Upon completion of operations, all trash will be hauled to an approved sanitary landfill.
- C. Cuttings and drilling fluids - the cuttings will be deposited in the reserve pit. Drilling fluids will be contained in reserve pit and allowed to evaporate. The reserve pit will be designed to prevent the collection of surface runoff and will be constructed with a minimum of one-half (1/2) the total depth below the original ground surface on the lowest point within the pit. The reserve pit will be lined.

3. Plans for Reclamation of the Surface:

- A. Backfilling, leveling and re-contouring are planned as soon as the reserve pit dries. Waste and spoil materials will be disposed of immediately upon completion of drilling and workover activities. If production is established, the unneeded areas of the location will be reclaimed as soon as the reserve pit dries.
- B. Upon completion of backfilling, leveling and re-contouring, the stock-piled topsoil will be evenly spread over the reclaimed area(s). All disturbed surfaces (including access road and well pad areas) will be reseeded using the seed mixture recommended by the Surface Owner. Seed will be drilled on the contour to an approximate depth of 1/2 inch.
- C. Three sides of the reserve pit will be fenced during drilling operations. Prior to rig release, the reserve pit will be fenced on the fourth side to prevent livestock and wildlife from becoming entrapped, and the fencing will be maintained until leveling and cleanup are accomplished.

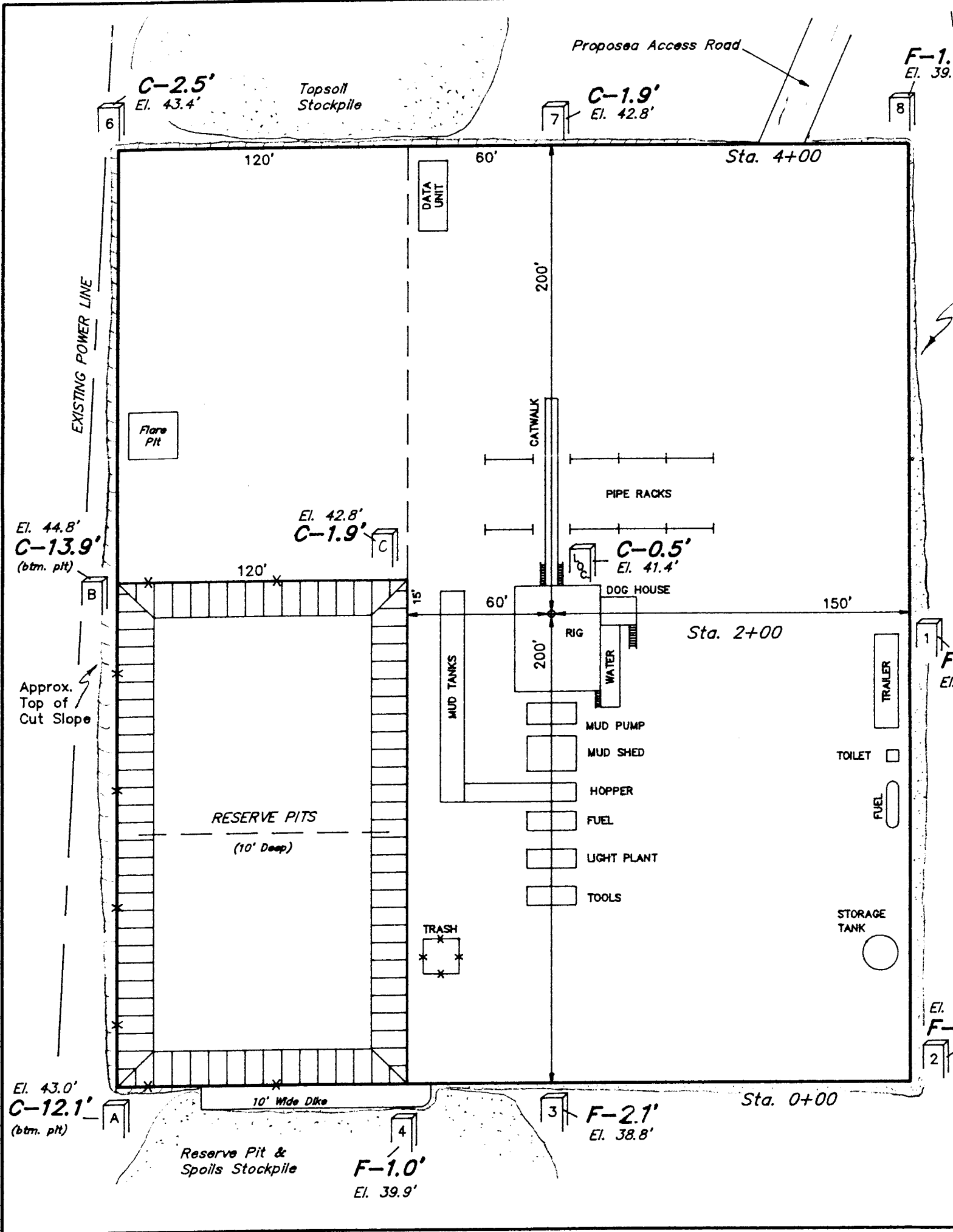
3. Plans for Reclamation of the Surface: Continued

- D. If any oil is on the pits and is not immediately removed after operations cease, the pit containing the oil or other adverse substances will be flagged overhead or covered with wire mesh.
- E. The reclamation operations will begin after the drilling rig is removed. Removal of oil or other adverse substances will begin immediately or area will be flagged and fenced. Other cleanup will be done as needed. Rehabilitation operations should be completed by the Spring of 1991.

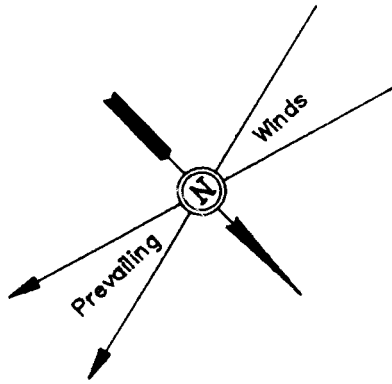
4. Other Information:

- A. The surface is owned by Brent Brotherson. Telephone: (801) 454-3548. ANR Production Company has agreed to his requirements as to the rehabilitation of the surface.

Lake Fork Ranch & Cattle Company
c/o Brent Brotherson
Star Route Box 48
Mountain Home, Utah 84051

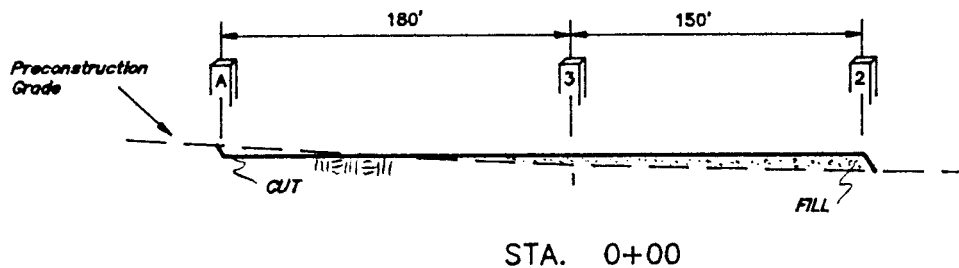
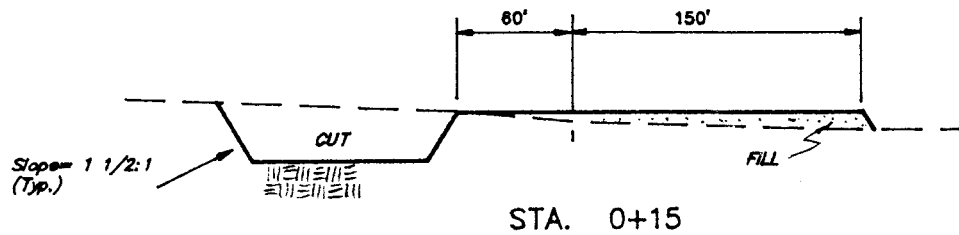
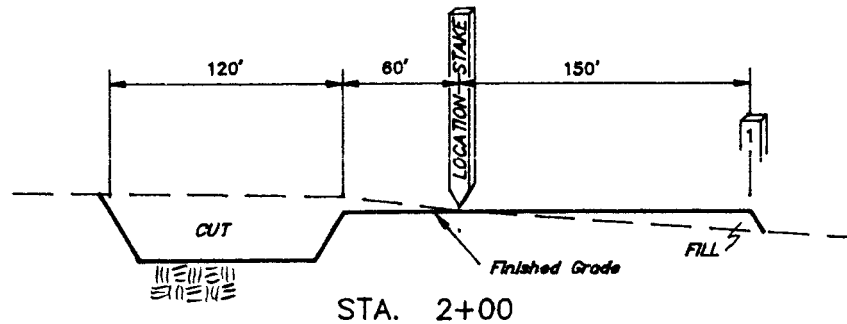
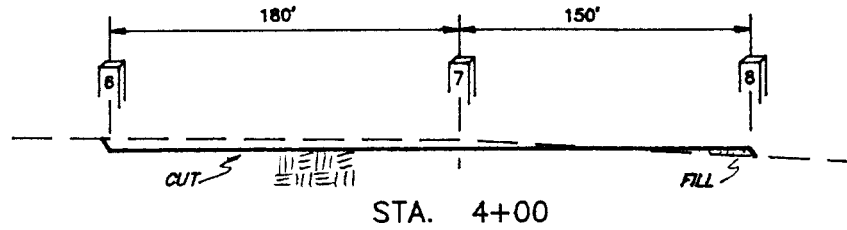


ANR PRODUCTION CO.
LOCATION LAYOUT FOR
BROTHERSON #3-23 B4
SECTION 23, T2S, R4W, U.S.B.&M.



SCALE: 1" = 50'
 DATE: 9-13-90
 DRAWN BY: T.D.H.

X-Section
 Scale
 1" = 40'
 1" = 100'



APPROXIMATE YARDAGES

CUT	
(6") Topsoil Stripping	= 2,450 Cu. Yds.
Pit Volume (Below Grade)	= 7,780 Cu. Yds.
Remaining Location	= 4,460 Cu. Yds.
TOTAL CUT	= 14,690 CU.YDS.
FILL	= 5,480 CU.YDS.

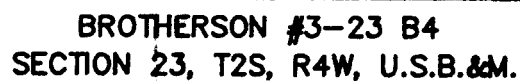
EXCESS MATERIAL AFTER	
5% COMPACTION	= 8,920 Cu. Yds.
Topsoil & Pit Backfill	= 6,340 Cu. Yds.
(1/2 Pit Vol.)	
EXCESS UNBALANCE	= 2,580 Cu. Yds.
(After Rehabilitation)	

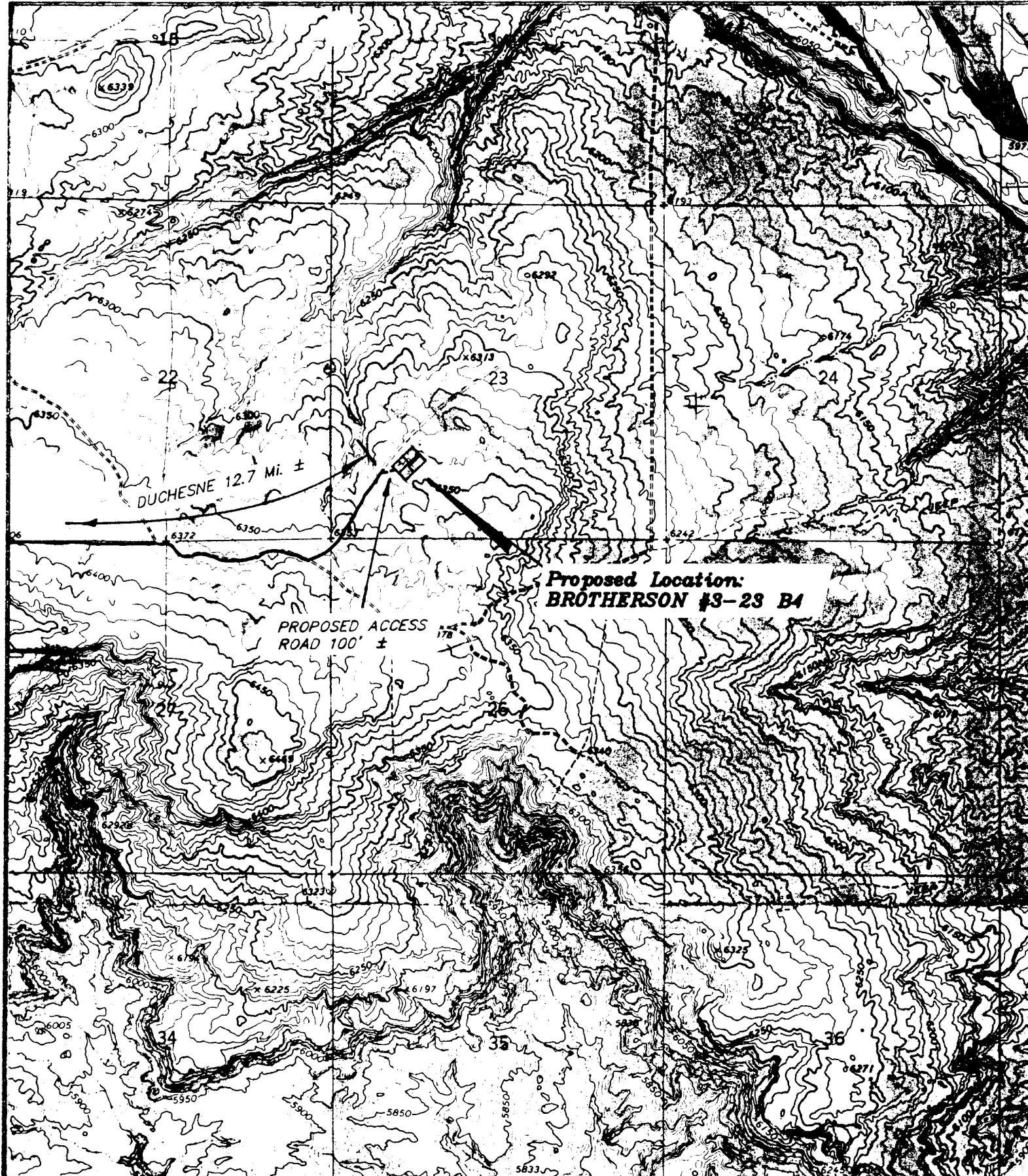
NOTES:

Elev. Ungraded Ground At Loc. Stake = **6341.4'**

FINISHED GRADE ELEV. AT LOC. STAKE = **6340.9'**

FIGURE #1





**Proposed Location:
BROTHERSON #3-23 B4**

**PROPOSED ACCESS
ROAD 100' ±**

**TOPOGRAPHIC
MAP "B"**

SCALE 1" = 2000'
DATE: 9-13-90



ANR PRODUCTION CO.

**BROTHERSON #3-23 B4
SECTION 23, T2S, R4W, U.S.B.&M.**

DRILLING LOCATION ASSESSMENT

State of Utah Division of Oil, Gas and Mining

OPERATOR: ANR PRODUCTION COMPANY WELL NAME: BROTHERSON 3-23B4
SECTION: 23 TWP: 2S RNG: 4W LOC: 1177 FSL 1112 FWL
QTR/QTR SW/SW COUNTY: DUCHESNE FIELD: ALTAMONT-BLUEBELL
SURFACE OWNER: BRENT BROTHERSON
SPACING: 660 F SECTION LINE 1320 F ANOTHER WELL
INSPECTOR: BRAD HILL DATE AND TIME: 9/25/90 10:00

PARTICIPANTS: James Hargrove, John Berrier/DOGM; Dale Heitzman/Permit agent; Robert Kay/Uintah Engineering; Harley Jackson/Jackson Construction; Scott Seeley/ANR

REGIONAL SETTING/TOPOGRAPHY: West central Uinta Basin; 5 miles south of Altamont, Utah; Location is on a gentle north facing dip slope.

LAND USE:

CURRENT SURFACE USE: None at present. Has been used in the past for domestic grazing.

PROPOSED SURFACE DISTURBANCE: A 400' X 330' pad will be constructed, including the reserve pit. The location is directly adjacent to an existing road and only a short connection will be needed for access.

AFFECTED FLOODPLAINS AND/OR WETLANDS: None

FLORA/FAUNA: This location was recently chained by the landowner and no intact vegetation is present. No animals were observed.

ENVIRONMENTAL PARAMETERS

SURFACE GEOLOGY

SOIL TYPE AND CHARACTERISTICS: Soil at this location consists of slightly silty wind-blown sand. Some blocky chunks of sandstone are present and probably indicate a near surface sandstone layer.

SURFACE FORMATION & CHARACTERISTICS: Quaternary eolian sand which probably overlies Duchesne River Formation.

EROSION/SEDIMENTATION/STABILITY: No active erosion or sedimentation is occurring at the present time. This location should be stable providing an upslope diversion is placed around the pad.

PALEONTOLOGICAL POTENTIAL: None observed.

SUBSURFACE GEOLOGY

OBJECTIVES/DEPTHS: Lower Green River-Wasatch 9,100-12,800'

ABNORMAL PRESSURES-HIGH AND LOW: None anticipated.

CULTURAL RESOURCES/ARCHAEOLOGY: N/A

CONSTRUCTION MATERIALS: Only onsite materials will be used for construction.

SITE RECLAMATION: Reclamation will be as outlined in A.P.D.

RESERVE PIT

CHARACTERISTICS: The reserve pit will be rectangular in shape with 200'X 120'X 10'. The pit will be placed on the uphill side of the location.

LINING: A synthetic liner will be required at this location. The liner should be of a 12 mil minimum thickness.

MUD PROGRAM: 0-3,000'/Native Mud; 3,000-12,800'/Gel/Polymer

DRILLING WATER SUPPLY: Duchesne River

STIPULATIONS FOR APD APPROVAL

Reserve pit is to be lined with a synthetic liner.

Drainage diversion to be placed on uphill side of location.

ATTACHMENTS

Photographs will be placed on file.

BEFORE THE BOARD OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH

IN THE MATTER OF THE AMENDED	:	
PETITION OF ANR LIMITED INC.,	:	
ET AL. FOR AN ORDER MODIFYING	:	FINDINGS OF FACT,
PREVIOUS ORDERS WHICH	:	CONCLUSIONS OF LAW
ESTABLISHED DRILLING AND	:	AND ORDER
SPACING UNITS AND ANY OTHER	:	
ORDERS RELATING TO TEST WELLS	:	Docket No. 85-007
FOR THE ALTAMONT, BLUEBELL	:	Cause No. 139-42
AND CEDAR RIM-SINK DRAW	:	
FIELDS, DUCHESNE AND UINTAH	:	
COUNTIES, UTAH	:	

Pursuant to the Amended Notice of Hearing dated March 4, 1985 of the Board of Oil, Gas and Mining ("Board"), Department of Natural Resources of the State of Utah, said cause came on for hearing on Thursday, April 11, 1985 at 10:00 a.m. in the Board Room of the Division of Oil, Gas and Mining ("Division"), 355 West North Temple, 3 Triad Center, Suite 301, Salt Lake City, Utah.

The following members of the Board were present:

Gregory P. Williams, Chairman
James W. Carter
Charles R. Henderson
Richard B. Larson
E. Steele McIntyre
John M. Garr, having recused himself,
did not participate

Mark C. Moench, Assistant Attorney General, was present on behalf of the Board.

Members of the Staff of the Division present and participating in the hearing included:

Dr. Dianne R. Nielson, Director
Ronald J. Firth, Associate Director
John R. Baza, Petroleum Engineer

Barbara W. Roberts, Assistant Attorney General, was present on behalf of the Division.

Appearances were made as follows: Petitioners ANR Limited, et al., by Frank Douglass, Esq. and Ray H. Langenberg, Austin, Texas; Robert G. Pruitt, Jr., Esq., Salt Lake City, Utah; Frank J. Gustin, Esq., Salt Lake City, Utah; Louis A. Posekany, Jr., General Counsel, and George W. Hellstrom, Esq., ANR Production Company; Phillip K. Chattin, General Counsel, Utex Oil Company; Hugh C. Garner, Esq., for Coastal Oil & Gas Corporation; Phillip William Lear, Esq., for Phillips Petroleum Company; Jeffrey R. Young, Esq., for Bow Valley Petroleum, Inc.; B. J. Lewis, Esq., Vice President, and Robert W. Adkins, Esq., Linmar Energy Corporation; Robert Buettner, Esq., Koch Exploration Company; Lane Jamison, Esq., Sonat Exploration Company; Victor Brown and Robert Brown, Utah Royalty Association; John Harja, Esq., Gulf Oil Corporation; Martin Seneca, General Counsel, Ute Indian Tribe; Assad M. Raffoul, Petroleum Engineer, Bureau of Land Management; John Chasel, on his own behalf; George Morris, Esq., Ute Distribution Corporation; Dr. Gilbert Miller, Conservation Superintendent, Amarada Hess Corporation; and L. A. Pike, Roosevelt, Utah, landowner.

Now therefore, the Board having considered the testimony of the witnesses, John C. Osmond, Petroleum Geologist; Clarke Gillespie, Petroleum Reservoir Engineer; and R. Thayne Robson, Economist, for Petitioners and B. J. Lewis, Vice President, and John W. Clark, Petroleum Engineer, for Linmar Energy Corporation, and the exhibits received at said hearing and being fully advised in the premises, now makes and enters the following:

FINDINGS OF FACT

1. Due and regular notice of the time, place and purpose of the hearing was given to all interested parties as required by law and the rules and regulations of the Board.

2. The Board has jurisdiction over the matters covered by said notice and over all parties interested therein and has jurisdiction to make and promulgate any order hereinafter set forth.

3. The Board has heretofore entered 640 acre drilling and spacing orders for the Lower Green River/Wasatch Formation in Causes No. 139-3, 139-4, 139-5, 139-8, and 139-17 (Altamont Field), Causes No. 131-11, 131-14, 131-24, 131-27, 131-32, 131-33, 131-34, 131-45 and 131-55, (Bluebell Field), and Causes No. 140-6 and 140-7 (Cedar Rim-Sink Draw Field) as to the following described lands:

UINTAH SPECIAL MERIDIAN

Township 1 North, Range 1 West
Sections: 19-36

Township 1 North, Range 2 West
Sections: 19-36

Township 1 North, Range 3 West
Sections 23-26, 35 and 36

Township 1 South, Range 1 East
Sections: All (except Roosevelt Unit)

Township 1 South, Range 2 East
Sections: 4-8, 18-19, 30-31

Township 1 South, Range 1 West
Sections: All (except Roosevelt Unit)

Township 1 South, Range 2 through 4 West ?
Sections: All

Township 1 South, Range 5 West
Sections: 10-17, 20-36

Township 1 South, Range 6 West
Sections: 25-26, 35-36

Township 2 South, Range 1 through 2 East
Sections: All

Township 2 South, Range 1 through 6 West
Sections: All

Township 2 South, Range 7 West
Sections: 19, 30-36

Township 2 South, Range 8 West
Sections: 23-26, 31-36

Township 3 South, Range 3 West
Sections: 5-8, 17-20, 29-32

Township 3 South, Range 4 through 8 West
Sections: All

Township 4 South, Range 3 West
Sections: 5 and 6

Township 4 South, Range 4 West
Sections: 1-6

Township 4 South, Range 5 West
Sections: 1-6

Township 4 South, Range 6 West
Sections: 1-18

SALT LAKE MERIDIAN

Township 5 South, Range 19 East
Sections: 20-23, 26-29, 32-35

Township 6 South, Range 19 East
Sections: 3-5, 9, 10, 15, 16, 22, 27
and 34

4. In Cause No. 140-12, the Board authorized the drilling of test or second wells that may only be produced alternatively with the initial well on the same drilling unit.

5. The Lower Green River/Wasatch Formation underlying the subject fields constitutes a pool as that term is defined in Utah Code Ann. §40-6-2(9) (1953, as amended), and is a highly complex series of isolated and discontinuous beds of productive rock that are randomly distributed vertically over a several thousand feet thick interval. Normally, the productive beds are separate and distinct and not in communication with each other.

6. Many of the productive beds are not correlatable from well to well and will not afford communication between wells as close as 1000 feet. Of the productive beds that correlate, various geological factors prevent a significant number from communicating between wells within the same section.

7. Geologic and engineering information from initial unit wells and test wells show that a single well will not effectively drain the recoverable oil and gas underlying any given 640 acre spacing unit because the productive beds are too

small or have other limiting characteristics precluding effective and efficient drainage of the recoverable reserves underlying the unit.

8. Data from production logs and field performance show that test wells drilled under the Order in Cause No. 140-12 after 1978 have caused the recovery of substantial amounts of oil from separate and distinct productive beds and from previously undepleted productive beds, and that the drilling of additional wells on existing units will increase the ultimate recovery of oil from the subject fields.

9. The prohibition of simultaneous production from the initial well and test well on the same unit has caused the shutting in of wells with the potential to produce substantial amounts of additional reserves.

10. Each additional well drilled under this order will tap producing formations that are separate and distinct from and not in communication with any other producing formation and is not an unnecessary well.

11. In some areas of the subject fields, geologic, engineering, and economic factors justify drilling additional wells on existing units. In other areas, geologic, engineering and economic factors may not justify drilling additional wells on existing units.

CONCLUSIONS OF LAW

1. Due and regular notice of the time, place and

purpose of the hearing was given to all interested parties as required by law and the rules and regulations of the Board.

2. The Board has jurisdiction over the matters covered by said notice and over all parties interested therein and has jurisdiction to make and promulgate any order hereinafter set forth.

3. The Board is authorized to modify its previous orders to permit additional wells to be drilled within established units under Utah Code Ann. §40-6-6(4) (1953, as amended).

4. An order permitting (a) the drilling of additional wells on existing units as provided herein and (b) the simultaneous production of initial wells and additional wells will prevent the waste of hydrocarbons, prevent the drilling of unnecessary wells, and protect correlative rights.

ORDER

IT IS THEREFORE ORDERED:

To prevent waste of oil, gas and associated liquid hydrocarbons, to avoid the drilling of unnecessary wells, to protect correlative rights and to maintain, to the maximum extent practicable, drilling units of uniform size and shape for the promotion of more orderly development of the lands described in Finding of Fact No. 3 above, the following order is hereby promulgated to govern operations in said area effective as of April 12, 1985:

A. Upon the effective date any and all orders of the Board heretofore promulgated which are inconsistent with the orders herein set forth shall be and are hereby vacated to the extent inconsistent herewith.

B. Additional wells may be drilled, completed, and produced on established drilling units comprising government surveyed sections of approximately 640 acres (or other designated drilling units so long as such unit is at least 400 acres in size) to a density of no greater than two producing wells on each unit comprising a section (or other designated unit).

C. Additional wells may be drilled at the option of the operator of the unit, based upon geologic and engineering data for that unit which will justify the drilling of an additional well in order to recover additional oil, provided the additional well appears to be economically feasible.

D. Economically feasible means that a prudent operator would have a reasonable opportunity to recover the costs of drilling, completing, producing and operating the well, plus a reasonable profit.

E. It is not the intent of this order, in permitting additional wells to be drilled on established drilling units, to change or amend the existing contractual rights or relationships, express or implied, of any parties who share in production or the proceeds therefrom in the spaced area.

F. Any additional well must be located at least 1,320 feet from the existing well on the unit and not closer than 660

feet from the exterior boundary of the unit. No two wells may be drilled in any drilling unit within the same governmental quarter section or equivalent lot.

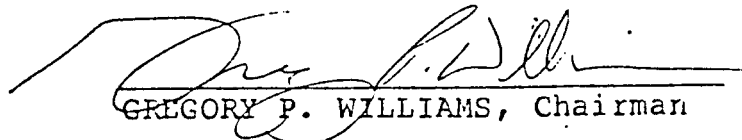
G. If an operator elects to initially complete a well solely within producing formations that are separate and distinct from and not in communication with any other producing formation, the operator will use reasonable precautions in order that such well is not completed in any producing formation that may be effectively drained by any other well.

H. Second or test wells drilled under previous orders as well as additional wells to be drilled under this order may be produced simultaneously with initial wells.

I. The Board retains exclusive and continuing jurisdiction of all matters covered by this order and of all parties affected thereby and particularly that the Board retains and reserves exclusive and continuing jurisdiction to make further orders as appropriate and authorized by statute and applicable regulations.

ENTERED this 17th day of April, 1985.

STATE OF UTAH
BOARD OF OIL, GAS AND MINING


GREGORY P. WILLIAMS, Chairman

APPROVED AS TO FORM:


MARK C. MOENCH
Assistant Attorney General

OPERATOR ANR Production Company DATE 10-9-90

WELL NAME Burtonson 3 W3B4

SEC S4SW 013 T N5 R 4W COUNTY Duchesne

43-013-31089
API NUMBER

Lease (4)
TYPE OF LEASE

CHECK OFF:

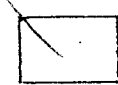


PLAT



BOND

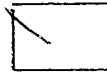
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NEAREST
WELL

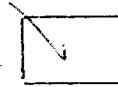


LEASE



FIELD

1000



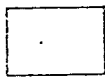
POTASH OR
OIL SHALE

PROCESSING COMMENTS:

2nd well drilled falling under Burtonson 1-23B4R approved
water Permit 43-101 08 Dallas Trucking
1-24-74

APPROVAL LETTER:

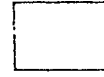
SPACING:



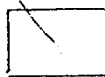
R615-2-3

N/A

UNIT



R615-3-2



139 4W 4-17-85

CAUSE NO. & DATE



R615-3-3

STIPULATIONS:

- 1 Bonding —
- 2 The reserve pit shall be lined with
a synthetic liner to prevent contamination
of ground water and soil.
3. A drainage diversion shall be constructed
on the uphill side of the well site to
properly intercept and remove surface
water.



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter
Governor

Dee C. Hansen
Executive Director

Dianne R. Nielson, Ph.D.
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

October 10, 1990

ANR Production Company
P. O. Box 749
Denver, Colorado 80201-0749

Gentlemen:

Re: Brotherson 3-23B4 - SW SW Sec. 23, T. 2S, R. 4W - Duchesne County, Utah
1177' FSL, 1112' FWL

Approval to drill the referenced well is hereby granted in accordance with the Order of Cause No. 139-42 dated April 17, 1985 subject to the following stipulations:

1. ANR Production Company, as designated operator, is the bonded principal in reference to this Application for Permit to Drill. Should this designation change or a transfer of ownership occur, liability will remain with the designated operator until the Division is notified by letter of a new bonded principal.
2. The reserve pit shall be lined with a synthetic liner to prevent contamination of ground water and soil.
3. A drainage diversion shall be constructed on the uphill side of the well site to properly intercept and remove surface water.

In addition, the following actions are necessary to fully comply with this approval:

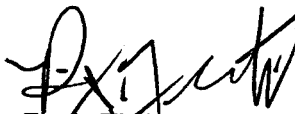
1. Spudding notification within 24 hours after drilling operations commence.
2. Submittal of an Entity Action Form within five working days following spudding and whenever a change in operations or interests necessitates an entity status change.
3. Submittal of the Report of Water Encountered During Drilling, Form 7.

Page 2
ANR Production Company
Brotherson 3-23B4
October 10, 1990

4. Prompt notification if it is necessary to plug and abandon the well. Notify R. J. Firth, Associate Director, (Office) (801) 538-5340, (Home) 571-6068, or Jim Thompson, Lead Inspector, (Home) 298-9318.
5. Compliance with the requirements of Rule R615-3-20, Gas Flaring or Venting, Oil and Gas Conservation General Rules.
6. Prior to commencement of the proposed drilling operations, plans for facilities for disposal of sanitary wastes at the drill site shall be submitted to the local health department. These drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (801) 538-6121.
7. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-013-31289.

Sincerely,



R. J. Firth
Associate Director, Oil & Gas

tas
Enclosures
cc: Bureau of Land Management
Division of State Lands
J. L. Thompson
we14/1-8

DIVISION OF OIL, GAS AND MINING

SPODDING INFORMATION

API NO. 43-013-31289

DRL

NAME OF COMPANY: ANR Production Company

WELL NAME: Brotherson 3-23B4

SECTION SWSW 23 TOWNSHIP 2S RANGE 4W COUNTY Duchesne

DRILLING CONTRACTOR Parker

RIG # 233

SPODDED: DATE 11-25-90

TIME 6:00 p.m.

How ROTARY

DRILLING WILL COMMENCE _____

REPORTED BY Don Nichols

TELEPHONE # 801-454-3487

DATE 11-26-90 SIGNED TAS

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
DRILLING AND WELL PLUGGING INSPECTION FORM

COMPANY: ANK Prod Co.

WELLNAME: Brotherson 323B4 API# 42-013-31287

SW/5W SECTION: 23 TWP: 25 RANGE: 4W

INSPECTOR: John BERRIER TIME: 4:10 PM DATE: 11-26-90

REPRESENTATIVE: Dan Nichols PUSHER: Low Jensen

OPERATIONS: Dtg ahead. Surface @ 1660

SPUD DATE: 6 PM 9-25-90 DEPTH: 1660

DRILLING AND COMPLETIONS:

<input type="checkbox"/> APD	<input type="checkbox"/> WELL SIGN	<input type="checkbox"/> SANITATION
<input type="checkbox"/> BOPE	<input type="checkbox"/> BLOOIE LINE	<input type="checkbox"/> H2S
<input type="checkbox"/> VENTED/FLARED	<input type="checkbox"/> RESERVE PIT	<input type="checkbox"/> FLARE PIT
<input type="checkbox"/> BURN PIT	<input type="checkbox"/> HOUSEKEEPING	

PLUGGING AND ABANDONMENTS:

PLUG TYPE	INTERVAL
_____	_____
_____	_____
_____	_____
_____	_____

PLUGS TESTED: _____ HOW _____ WOC _____

MARKER: _____ SURFACE _____ PLATE

RECLAMATION:

☐ CONTOUR ☐ RIP ☐ REHAB

LEGEND: (Y)-YES (P)-PROBLEM (U)-UNKNOWN (BLANK)-NOT APPLICABLE

REMARKS:

Spudded well 9-25-90 6 PM
Parker Drilling #233
454 3487

APPROVED BY _____ HOW _____ DATE _____

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
CEMENTING OPERATIONS

COMPANY NAME: ANR Prod. Co.
WELL NAME: Brothersson 3-23B4 43-013-31289
QTR/QTR SW/SW SECTION 23 TOWNSHIP 25 RANGE 40
CEMENTING COMPANY: Hewco WELL SIGN Being made
INSPECTOR: Tahn BARRIER DATE: 12-3-90
CEMENTING OPERATIONS:

PLUGBACK: _____ SQUEEZE: _____ CASING: _____ P-A ZONE: _____
SURFACE CASING: ✓ INTERMEDIATE _____ PROD CASING: _____
PERFORATIONS _____ SQUEEZE PRESSURE _____

CASING INFORMATION:

1435 ft. SIZE 9 5/8 GRADE: 40# S-95 HOLE SIZE: 12 1/2" DEPTH: 6030'
LT&C C59 Set @ 6028' KB

SLURRY INFORMATION:

18,039 gal/sk 1. CLASS: 820 SX, 4% Gel, .3% Halala 413
4% CC 3 #/sk Cap Seal
LEAD: 450 SX Silica Lite - 4% Gel TAIL: 300 SX Class G
.3% Halala 10% HR-7, .3% Cap Seal
2. SLURRY WEIGHT: 11 PPG TAIL: 15.8 PPG
LEAD: _____
3. WATER (GAL/SK) TAIL: 5 gal./sk
LEAD: _____
4. COMPRESSIVE STRENGTH
PSI @ _____ HR _____

PIPE CENTRALIZED 10 Centralizers CEMENTING STAGES 1

LOST RETURNS No REGAIN RETURNS _____ BARRELS LOST _____

TOP OF CEMENT Approx 300 ft down PERF INTERVAL _____

CEMENT TO SURFACE? No

ADDITIONAL COMMENTS: 1" ed w/ 150 SX G w/ 3% CC 15.8 PPG

Curve to Surface Good Returns

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
BOPE TEST INSPECTION FORM

COMPANY: ANK Prod. Co. REPRESENTATIVE: Don Nichols

WELL NAME: Brotherman 3-23B4 API# 43-013-31289

QTR/QTR 8W/SW SECTION 23 WELL SIGN 23 ^{Being Made} TWP 21S RANGE 4W

INSPECTOR: John BERRIG DATE: 12-4-90
12-5-90

DRILLING CONTRACTOR Parker Drilling RIG # 233

RIG OPERATIONS: Running up

DEPTH 6030 LAST CASING 95/8" @ 6028

TEST BY Double Jack WATER + Mitchell MUD

PRESSURE RATING OF STACK 5000 H2S RATED Yes

TEST PRESSURES 5000 KELLYCOCK: UPPER ☒ LOWER ☒

INSIDE BOP ☒ FULL OPENING VALVE ON FLOOR Yes

WRENCH FOR FULL OPENING VALVE/KELLYCOCK ON FLOOR Yes

STACK - LISTED AS ARRANGED - TOP TO BOTTOM:

1. Drilling Head
2. Annular
3. Rams - Pipe
4. Rams - Blind
5. Mud-Cross
2-Spacer spools
6. Double stud
7. Well head

ADDITIONAL COMMENTS: Found several leaks in BOP stack

Tightened stack. All components tested OK

REPORTED BY: _____ PHONE: 454-4537

DATE: _____ SIGNED: _____

(IF TESTED BY INDEPENDENT COMPANY, ATTACH COPY OF TEST)

ENTITY ACTION FORM - FORM 6

OPERATOR ANR Production Company

OPERATOR ACCT. NO. NO 675

ADDRESS P.O. Box 749

Denver, Colorado 80201-0749

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	11141	43-013-31289	Brotherson #3-23B4	SWSW	23	2S	4W	Duchesne	11/25/90	11/25/90
WELL 1 COMMENTS: Fee-Lease Proposed Zone - WSTC Field- Altamont (New entity 11141 added 12-12-90) Unit- N/A											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

RECEIVED
DEC 07 1990

DIVISION OF
OIL, GAS & MINING

Gileen Hannifey
Signature

Regulatory Analyst 12-4-90

Title Date

Phone No. (303) 573-4476

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)		5. LEASE DESIGNATION & SERIAL NO. Fee
1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN ALLOTTEE OR TRIBE NAME N/A
2. NAME OF OPERATOR ANR Production Company		7. UNIT AGREEMENT NAME N/A
3. ADDRESS OF OPERATOR P. O. Box 749, Denver, Colorado 80201-0749 (303) 573-4476		8. FARM OR LEASE NAME Brotherson
4. LOCATION OF WELL (Report location clearly and in accordance with any state requirements. See also space 17 below.) At surface 1177' FSL & 1112' FWL (SWSW) At proposed prod. zone Same as above		9. WELL NO. 3-23-B4
14. API NO. 43-013-31289		10. FIELD AND POOL, OR WILDCAT Altamont
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6341' GR		11. SEC. T. R. N. OR BLK. AND SURVEY OR AREA Section 23, T2S-R4W
12. COUNTY Duchesne		13. STATE Utah

13. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐
☐
☐
☐

PULL OR ALTER CASING

☐
☐
☐
☐

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON

REPAIR WELL

CHANGE PLANS

(Other)

APPROX. DATE WORK WILL START

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐
☐
☐
☐

REPAIRING WELL

☐
☐
☐
☐

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other) Report of spud

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

DATE OF COMPLETION

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

* Must be accompanied by a cement verification report.

- 11/12/90 - Drilled to 237' GL and ran 6 jts. (236') of 13-3/8", 61#, K55, ST&C conductor. Cmt'd w/300 sxs Cl "G" + additives.
- Spud well @ 6:00 P.M. 11/25/90.
- Drilled to 6030'. Ran 143 jts. 9-5/8", 40#, S-95, LT&C csg. and set @ 6028'. Cmt'd w/1270 sx. Silicalite + additives and 300 sx. Cl "G" + additives. WOC. Ran 315' of 1" pipe and cmt'd w/150 sx. Cl "G" + additives. Cut off 13-3/8" and 9-5/8" csg. and weld on head.
- Drilling ahead.

18. I hereby certify that the foregoing is true and correct

SIGNED

[Signature]

TITLE

Regulatory Analyst

DATE

12-4-90

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

WELL DATA

FIELD Altamont SEC. 23 TWP. _____ RNG. _____ COUNTY Duchesne STATE Utah

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD _____

PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD _____

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<input checked="" type="checkbox"/>	40#	9 5/8"	0	6040	
LINER	<input type="checkbox"/>					
TUBING	<input type="checkbox"/>					
OPEN HOLE			12 1/4"	256'	TD	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>D.F. 9 5/8"</u>	<u>1</u>	<u>D.F. Halco</u>
FLOAT SHOE <u>D.F. 9 5/8"</u>	<u>1</u>	<u>D.F. Halco</u>
GUIDE SHOE		
CENTRALIZERS <u>S-4 9 5/8" x 2 1/2"</u>	<u>7</u>	<u>Halco</u>
BOTTOM PLUG		
TOP PLUG <u>Rubber 9 5/8"</u>	<u>1</u>	<u>Halco</u>
HEAD <u>SPCH QL 9 5/8"</u>	<u>1</u>	<u>Halco</u>
PACKER		
OTHER		

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>12/3/90</u>	DATE _____	DATE _____	DATE _____
TIME <u>0230</u>	TIME <u>0600</u>	TIME _____	TIME _____

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>S. Frazer</u>	<u>oper</u>	
<u>D. Hardinger</u>	<u>REM</u>	<u>52345-7673</u>
<u>E. Donsie</u>	<u>oper</u>	
<u>B. Gardiner</u>	<u>REM</u>	<u>7857-7060</u>
<u>L. Smith</u>	<u>Bulk</u>	<u>3774-5209</u>
<u>C. Bach</u>	<u>"</u>	<u>2486</u>
<u>T. Edwards</u>	<u>"</u>	<u>8113</u>
<u>B. Tenney</u>	<u>Super</u>	

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. API _____

DISPL. FLUID _____ DENSITY _____ LB/GAL. API _____

PROP. TYPE _____ SIZE _____ LB. _____

PROP. TYPE _____ SIZE _____ LB. _____

ACID TYPE _____ GAL. _____ % _____

ACID TYPE _____ GAL. _____ % _____

ACID TYPE _____ GAL. _____ % _____

SURFACTANT TYPE _____ GAL. _____ IN _____

NE AGENT TYPE _____ GAL. _____ IN _____

FLUID LOSS ADD. TYPE _____ GAL.-LB. _____ IN _____

GELLING AGENT TYPE _____ GAL.-LB. _____ IN _____

FRIC. RED. AGENT TYPE _____ GAL.-LB. _____ IN _____

WREAKER TYPE _____ GAL.-LB. _____ IN _____

BLOCKING AGENT TYPE _____ GAL.-LB. _____

PERFPAC BALLS TYPE _____ QTY. _____

OTHER _____

OTHER _____

DEPARTMENT Cement

DESCRIPTION OF JOB Surface Casing

JOB DONE THRU: TUBING ☐ CASING ☒ ANNULUS ☐ TBG/ANN. ☐

CUSTOMER REPRESENTATIVE X

HALLIBURTON OPERATOR _____ COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>820</u>	<u>Silica Lite</u>			<u>4% Gel, .3 Halad-413, 3% SK Capseal</u>	<u>2.93</u>	<u>11</u>
<u>2</u>	<u>450</u>	<u>Silica Lite</u>			<u>4% Gel, .3 Halad-413, 6% HR7, 3% SKCS</u>	<u>2.81</u>	<u>11</u>
<u>3</u>	<u>300</u>	<u>Type II</u>			<u>None</u>	<u>1.18</u>	<u>15.6</u>
<u>Top</u>	<u>150</u>	<u>Type II</u>			<u>3% CC on side</u>	<u>1.18</u>	<u>15.6</u>

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESURUS: BBL-GAL. 60 TYPE _____

BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL-GAL. _____ PAD: BBL-GAL. _____

AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL-GAL. _____ DISPL: BBL-GAL. 455

SHUT-IN: INSTANT _____ 5-MIN. _____ 15-MIN. _____ CEMENT SLURRY: BBL-GAL. 716

HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL-GAL. _____

ORDERED _____ AVAILABLE _____ USED _____ REMARKS see Job log

AVERAGE RATES IN BPM _____

TREATING _____ DISPL _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET _____ REASON _____

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS <small>(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)</small>		5. LEASE DESIGNATION & SERIAL NO. Fee Lease	
1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Drilling		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Not Applicable	
2. NAME OF OPERATOR ANR Production Company		7. UNIT AGREEMENT NAME Not Applicable	
3. ADDRESS OF OPERATOR P. O. Box 749, Denver, Colorado 80201-0749		8. FARM OR LEASE NAME Brotherson	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1177' FSL, 1112' FWL (NE $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$) At proposed prod. zone Same		9. WELL NO. 3-23B4	
14. API NO. 43-013-31289		15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6341' GR	
16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data		10. FIELD AND POOL, OR WILDCAT Bluebell-Altamont	
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 23, T2S, R4W		12. COUNTY Duchesne	
13. STATE Utah		14. STATE Utah	

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input checked="" type="checkbox"/>	(Other) _____	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
(Other) _____		DATE OF COMPLETION _____	

APPROX. DATE WORK WILL START Drilling

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

* Must be accompanied by a cement verification report.

Change surface casing setting depth from 3000 feet to 6000 feet.

18. I hereby certify that the foregoing is true and correct

SIGNED Dale Heitzman TITLE Authorized Agent DATE 12/6/90

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY: _____

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
DRILLING AND WELL PLUGGING INSPECTION FORM

COMPANY: ANR. Prod. Co

WELLNAME: Brotherson 3-23-B 4 API# 43-013-31289

SECTION: 3 TWP: 2S RANGE: 4W

INSPECTOR: John L BERRIER TIME: 12:45 PM DATE: 1-11-91

REPRESENTATIVE: Scott Searly PUSHER: Lee Jensen

OPERATIONS: Waiting on Repairs - Before Running Csg.

SPUD DATE: _____ DEPTH: 12,600 TD

DRILLING AND COMPLETIONS:

☒ APD ☒ WELL SIGN ☒ SANITATION
☐ BOPE ☐ BLOOIE LINE _____ H2S
☐ VENTED/FLARED ☒ RESERVE PIT ☒ FLARE PIT
☒ BURN PIT ☒ HOUSEKEEPING

TD'd 1-9-91
Run Logs 1-10-91

PLUGGING AND ABANDONMENTS:

PLUG TYPE	INTERVAL
_____	_____
_____	_____
_____	_____
_____	_____

PLUGS TESTED: _____ HOW _____ WOC _____

MARKER: _____ SURFACE _____ PLATE

RECLAMATION:

_____ CONTOUR _____ RIP _____ REHAB

LEGEND: (Y)-YES (P)-PROBLEM (U)-UNKNOWN (BLANK)-NOT APPLICABLE

REMARKS:

Waiting on Mud Pump Section Ho - Prept to Run Prod. Csg.

APPROVED BY _____ HOW _____ DATE _____

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON <small>(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)</small>		1. LEASE DESIGNATION & SERIAL NO. Fee 2. INDIAN, ALLOTTEE OR TRIBE NAME N/A 3. UNIT AGREEMENT NAME N/A 4. FARM OR LEASE NAME Brotherson 5. WELL NO. 3-23B4 6. FIELD AND POOL, OR WILDCAT Altamont 7. SEC. T. R. M. OR BLK. AND SURVEY OR AREA Section 23, T2S-R4W 8. COUNTY Duchesne 9. STATE Utah
1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> 2. NAME OF OPERATOR ANR Production Company 3. ADDRESS OF OPERATOR P. O. Box 749, Denver, Colorado 30201-0749 (303) 573-4476 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1177' FSL & 1112' FWL (SWSW) At proposed prod. zone Same as above 14. API NO. 43-013-31289 15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6341' GR		<div style="border: 2px solid black; padding: 5px; display: inline-block;"> RECEIVED JAN 22 1991 DIVISION OF OIL, GAS & MINING </div>

15. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> SHOOT OR ACIDIZE <input type="checkbox"/> REPAIR WELL <input type="checkbox"/> (Other) _____	PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPLETE <input type="checkbox"/> ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> Commingle Production <input checked="" type="checkbox"/>
---	--

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/> FRACTURE TREATMENT <input type="checkbox"/> SHOOTING OR ACIDIZING <input type="checkbox"/> (Other) _____ (Note: Report results of multiple completion on well Completion or Recompletion Report and Log form.)	REPAIRING WELL <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> ABANDONMENT* <input type="checkbox"/>
--	--

APPROX. DATE WORK WILL START _____

DATE OF COMPLETION _____

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

* Must be accompanied by a cement verification report.

ANR Production Company requests permission to commingle oil and salt water storage from the Brotherson 3-23B4 with the Brotherson 1-14B4, Brotherson 1-26B4, Brotherson 1-23B4R, and the Brotherson 1-24B4. The Brotherson 3-23B4 is being completed and the Brotherson 1-14B4, 1-26B4, 1-23B4R and 1-24B4 are producing into the 1-23B4 Battery. It is proposed that a heater treater for the Brotherson 3-23B4 be installed at the 1-23B4 battery location (Section 23, T2S-R4W). The production from the Brotherson 3-23B4 would be run through this treater. Oil, water and gas meters on the outlet side of the treater would measure the production of these products, then the oil and water production would be commingled w/the oil and water production from the wells in the battery into the existing tanks on this battery. Oil sales would be allocated based upon oil production volumes read at the heater treaters. This request is being made in order to save money on initial battery installation and ongoing battery maintenance costs.

18. I hereby certify that the foregoing is true and correct.

SIGNED

Eileen Danni Dev

TITLE

Regulatory Analyst

DATE

1-17-91

(This space for Federal or State office use)

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other _____
 b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____

2. NAME OF OPERATOR

ANR Production Company

3. ADDRESS OF OPERATOR

P. O. Box 749, Denver, Colorado 80201-0749 (303) 573-4476

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface

1177' FSL & 1112' FWL (SWSW)

At top prod. interval reported below Same as above

At total depth Same as above

5. LEASE DESIGNATION AND SERIAL NO.

Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

N/A

8. FARM OR LEASE NAME

Brotherson

9. WELL NO.

#3-23B4

10. FIELD AND POOL, OR WILDCAT

Altamont/Wasatch

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Section 23, T2S-R4W

14. API NO.

43-013-31289

DATE ISSUED

10/10/90

12. COUNTY

Duchesne

13. STATE

Utah

15. DATE SPUDDED

11/12/90

16. DATE T.D. REACHED

1/9/91

17. DATE COMPL. (Ready to prod.)

1-25-91 (Plug & Abd.)

18. ELEVATIONS (DP, BSB, RT, GR, ETC.)

6341' GL

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

12,600'

21. PLUG BACK T.D., MD & TVD

12,554'

22. IF MULTIPLE COMPL.

HOW MANY

23. INTERVALS

DEILLED BY

ROTARY TOOLS

0-TD

CABLE TOOLS

24. PRODUCING INTERVAL(S). OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)

Wasatch 11,088-12,519'

25. WAS DIRECTIONAL SURVEY MADE

NO

26. TYPE ELECTRIC AND OTHER LOGS RUN

DILL, BHC ACOUSTILOG

27. WAS WELL CORED YES ☐ NO ☒ (Submit analysis)DRILL STEM TEST YES ☐ NO ☒ (See reverse side)

CBL, CDL/CNL, Frac Log

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT POLLED
13-3/8"	61#	235'	17-1/2"	300 sx C1 "G"	
9-5/8"	40#	6,028'	12-1/4"	1270 sx Silicalite + additives	
				300 sx C1 "G" + additives	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
7"	5,733	10,600'	1,100		2-7/8"	10,420'	10,420'
5"	10,305'	12,599'	240				

31. PERFORATION RECORD (Interval, size and number)

11,088-12,519' w/3-1/8" csg. gun,
3 SPF, 294 holes

32. ACID. SHOT. FRACTURE. CEMENT SQUEEZE. ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
11,088-12,519'	12,000 gals 15% HCL + additives

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					WELL STATUS (Producing or shut-in)	
1/21/91		Flowing					Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BSL.	GAS—MCF.	WATER—BSL.	GAS-OIL RATIO	
1/25/91	24	32/64	→	1340	2263	332	1688.8	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BSL.	GAS—MCF.	WATER—BSL.	OIL GRAVITY-API (CORR.)		
200#	PKR	→	1340	2263	332	44.7		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Sold

TEST WITNESSED BY

M. Bozarth

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Eileen Danni Dey

TITLE Regulatory Analyst

DATE 1-31-91

See Spaces for Additional Data on Reverse Side

INSTRUCTIONS

This form should be completed in compliance with the Utah Oil and Gas Conservation General Rules. If not filed prior to this time, all logs, tests, and directional surveys as required by Utah Rules should be attached and submitted with this report.

ITEM 18: Indicate which elevation is used as reference for depth measurements given in other spaces on this form and on any attachments.

ITEMS 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

ITEM 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

ITEM 33: Submit a separate completion report on this form for each interval to be separately produced (see instruction for items 22 and 24 above).

37. SUMMARY OF POROUS ZONES: Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.			38. GEOLOGIC MARKERS				
Formation	Top	Bottom	Description, contents, etc.	Name	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%; padding: 2px;">Meas. Depth</th> <th style="width: 50%; padding: 2px;">True Vert. Depth</th> </tr> </table>	Meas. Depth	True Vert. Depth
Meas. Depth	True Vert. Depth						
				Top Gr. River	7,052'		
				Lower Gr. River	8,882'		
				Top Wasatch	10,618'		

SEN'D TO STATE OF
UTAH

DOUBLE JACK TESTING & SERVICES, INC.

PHONE (801) 781-0448

B.O.P. TEST REPORT

O.P. TEST PERFORMED ON (DATE) 12-24-25-90
L COMPANY A.N.R. PRODUCTION
LL NAME & NUMBER BROTHERSON 3-23-B4 43-013-51289 *Flow*
CTION 23
ONSHIP 25
NGE 4W
UNITY & STATE DUCHESNE UTAH
ILLING CONTRACTOR PARKER DRLG #233
L COMPANY SITE REPRESENTATIVE DON NICHOLS
S TOOL PUSHER REX EVANS
STED OUT OF VERNAL OFFICE
IFIED PRIOR TO TEST STATE OF UTAH
IES OF THIS TEST REPORT SENT TO: STATE OF UTAH
A.N.R. PRODUCTION
VERNAL OFFICE
SIGNAL CHART & TEST REPORT ON FILE AT: VERNAL OFFICE

TESTED BY: DOUBLE JACK TESTING & SERVICES, INC.
1225 E HWY 40 #4
P O BOX 828
VERNAL, UTAH 84078

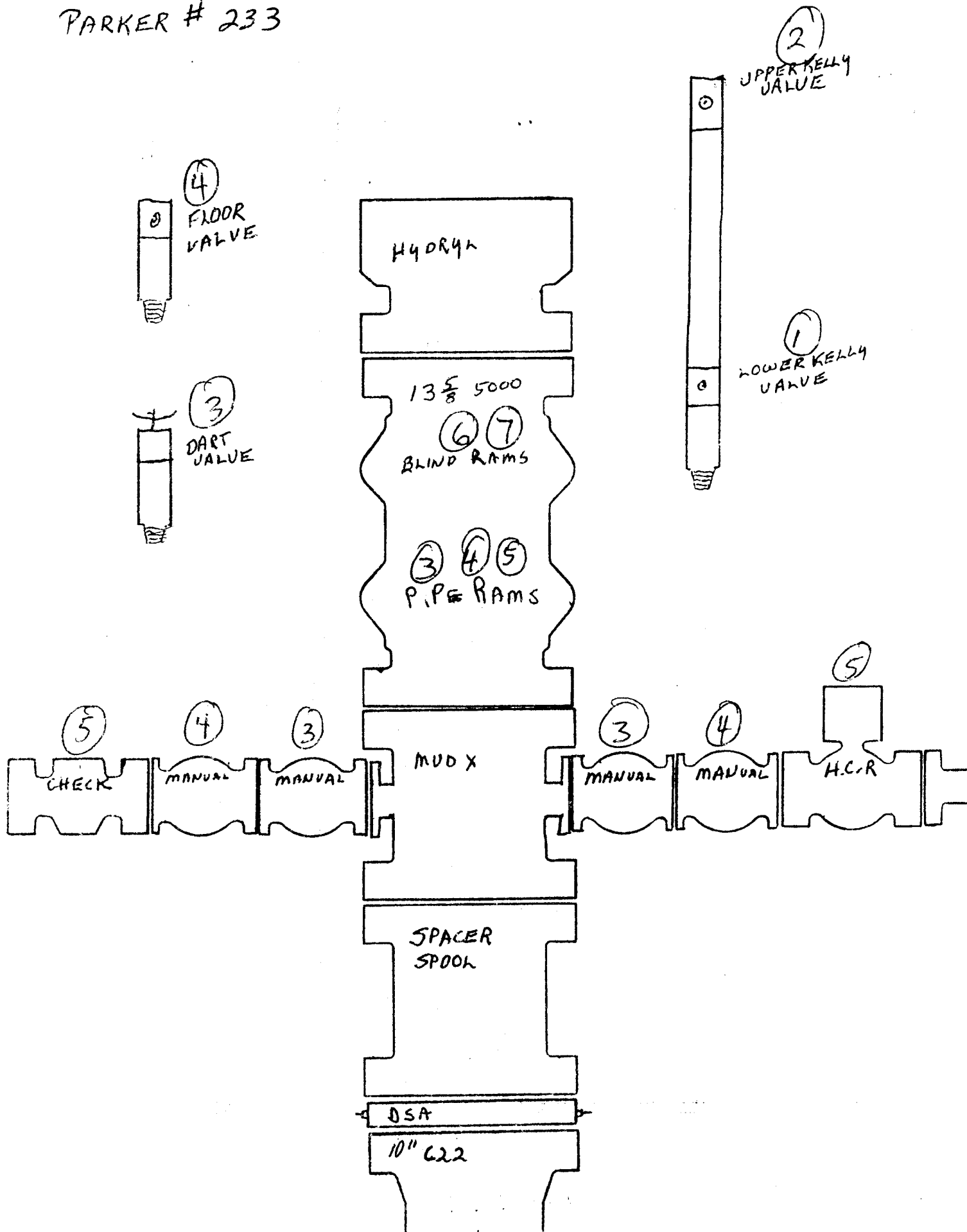
RECEIVED

MAR 11 1991

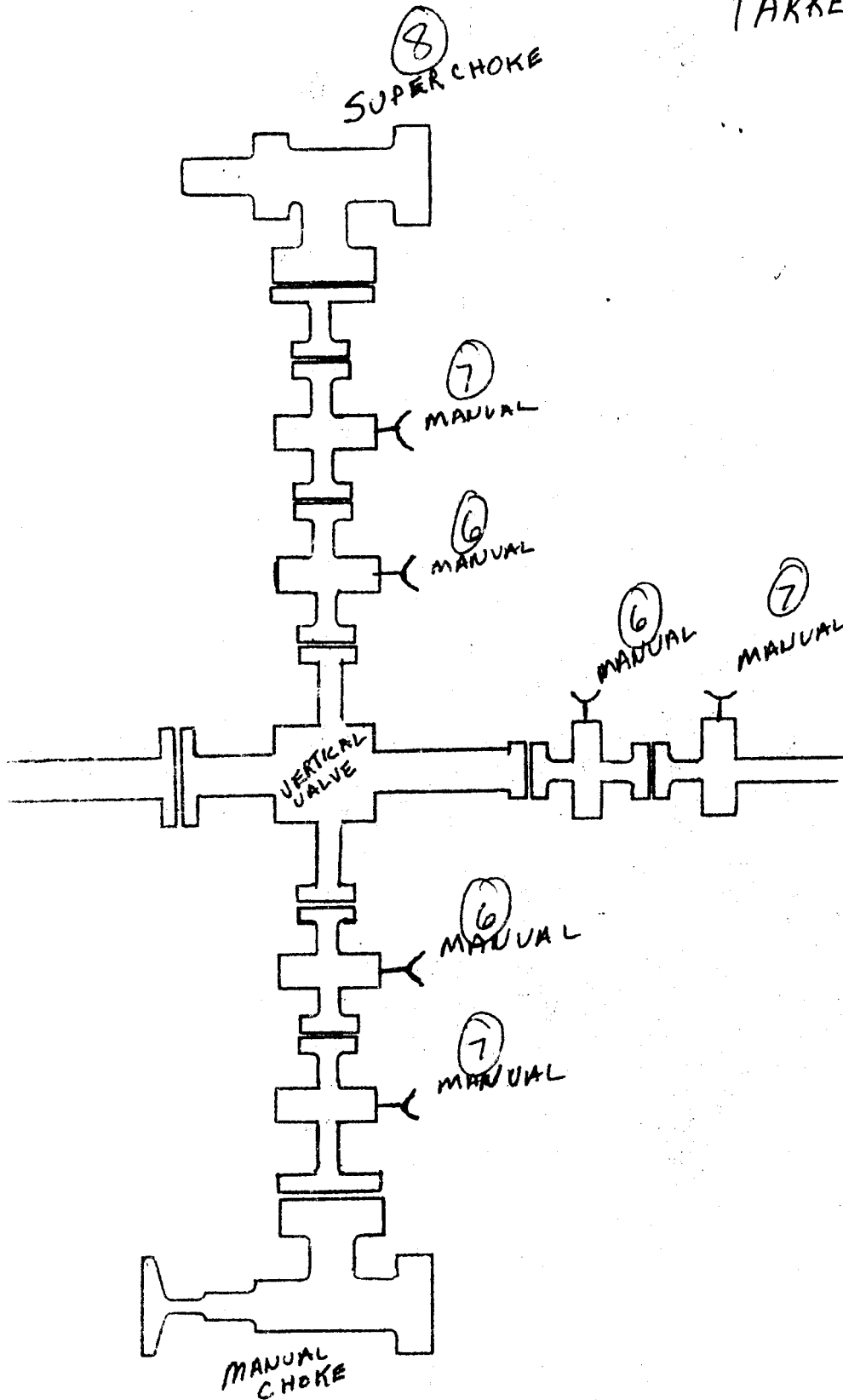
DIVISION OF
OIL GAS & MINING

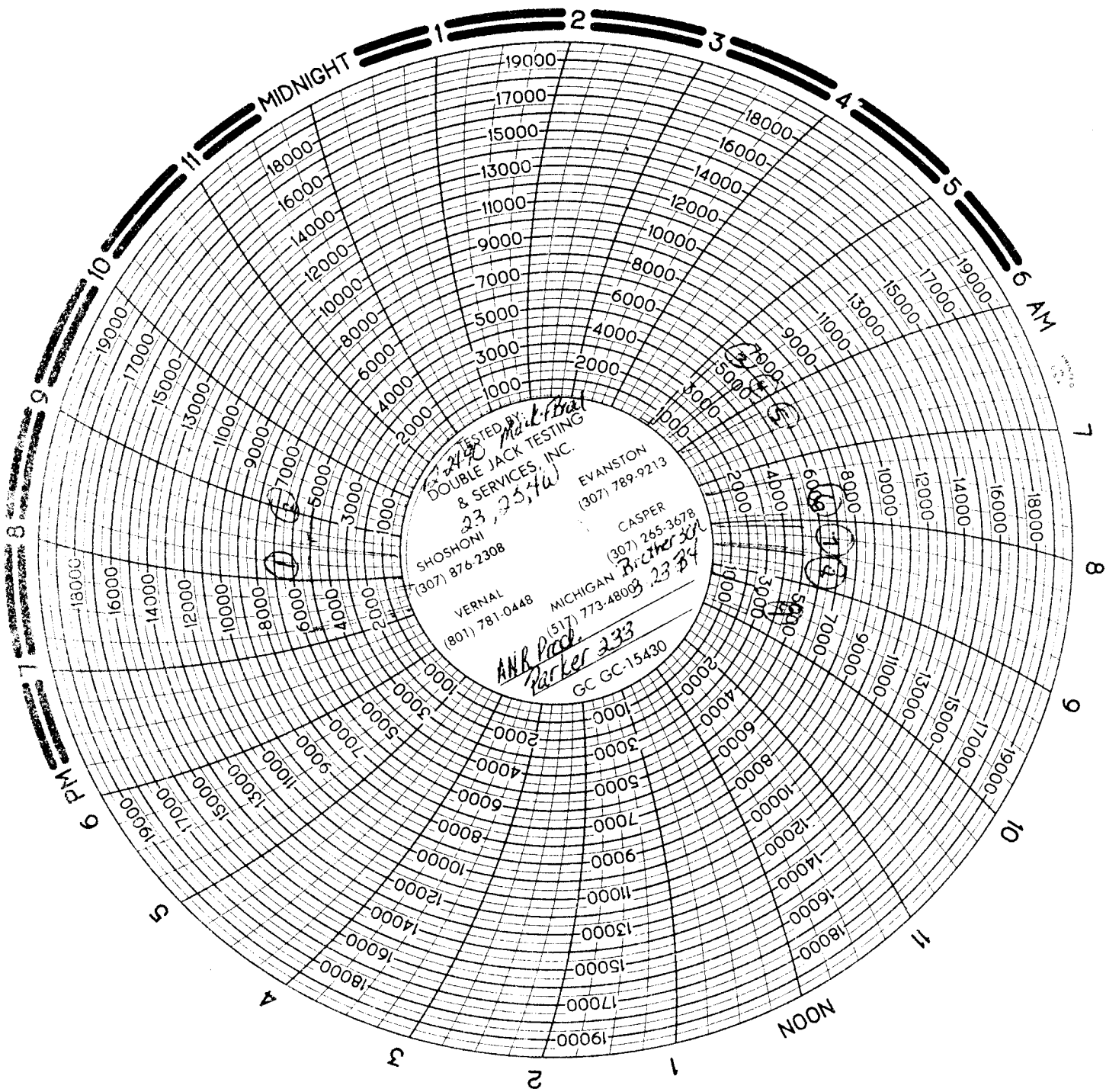
COMPANY		LEASE AND WELL NAME #		DATE OF TEST	RIG # AND
A.M.R. PRODUCTION		BROTHERSON 3-23-B4		12-24-25-90	PARKER #233
TEST #	TIME				
①	12:22 - 12:32	LOWER KELLY 5000 PSI			
②	12:43 - 12:53	UPPER KELLY 5000 PSI			
③	4:34 - 4:44	3 1/2 PIPE RAMS, 1 ST CHOKELINE VALVE, 1 ST KILL VALVE, DART VALVE 5000 PSI			
④	4:48 - 4:58	PIPE RAMS, 2 ND CHOKELINE VALVE, 2 ND KILL VALVE, T.I.W., 5000 PSI			
⑤	5:04 - 5:14	PIPE RAMS, H.C.R., CHECK VALVE 5000 PSI			
⑥	5:37 - 5:47	BLINDS, INSIDE CHOKER MANIFOLD VALVES 5000 PSI			
⑦	5:49 - 5:59	BLINDS, OUTSIDE CHOKER MANIFOLD VALVES, 5000 PSI			
⑧	6:02 - 6:12	SUPER CHOKER 5000 PSI			
⑨	6:24 - 6:34	HYDRUL 2500 PSI			

PARKER # 233



PARKER 233





SL ID TO
STATE OF UTAH

DOUBLE JACK TESTING & SERVICES, INC.

PHONE (801) 781-0448

B.O.P. TEST REPORT

D.P. TEST PERFORMED ON (DATE) 12-4-90

COMPANY A.N.R. PRODUCTION

WELL NAME & NUMBER BROTHERSON 3-23-B4

SECTION 23

DEPT. 25

WELL 4W

COUNTY & STATE Duchesne UTAH

DRILLING CONTRACTOR PARKER DRILL #233

COMPANY SITE REPRESENTATIVE DON NICHOLS

TOOL PUSHER REX EVANS

TESTED OUT OF VERNAL OFFICE

APPROVED PRIOR TO TEST STATE OF UTAH

Copies of this test report sent to: ANR. PRODUCTION

STATE OF UTAH

ORIGINAL CHART & TEST REPORT ON FILE AT: VERNAL OFFICE

TESTED BY: DOUBLE JACK TESTING & SERVICES, INC.
1225 E HWY 40 #4
P O BOX 828
VERNAL, UTAH 84078

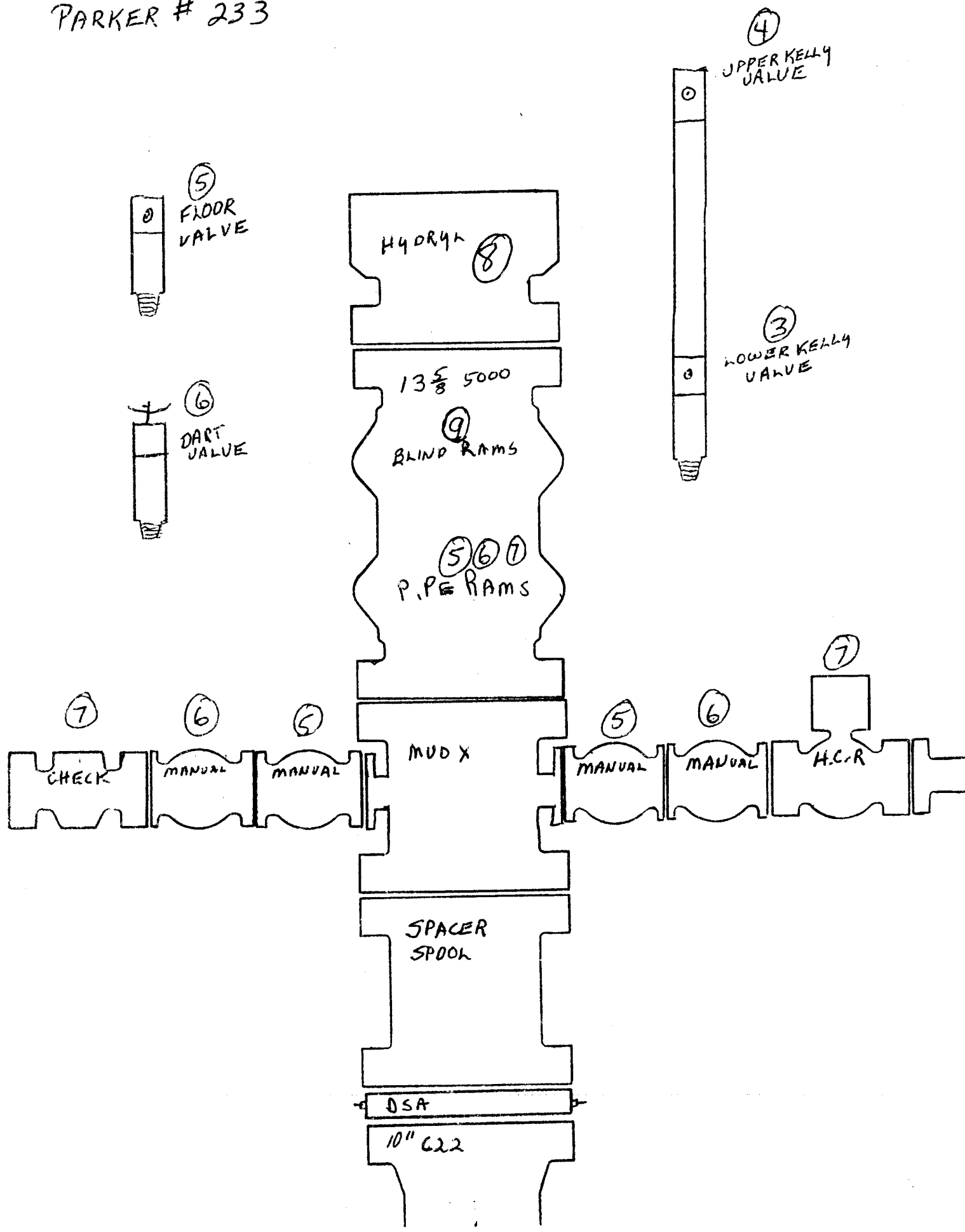
RECEIVED

MAR 11 1991

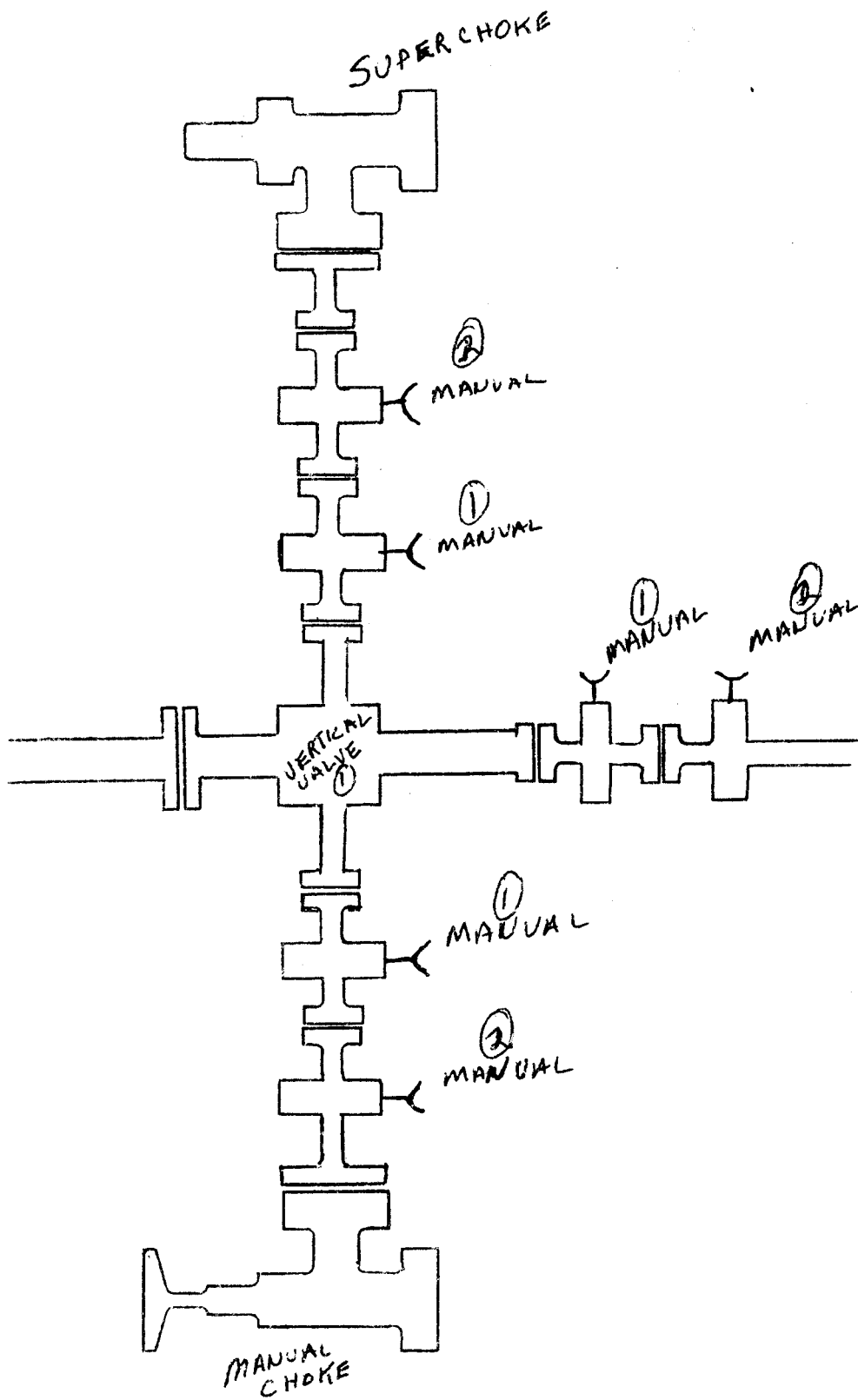
DIVISION OF
OIL GAS & MINING

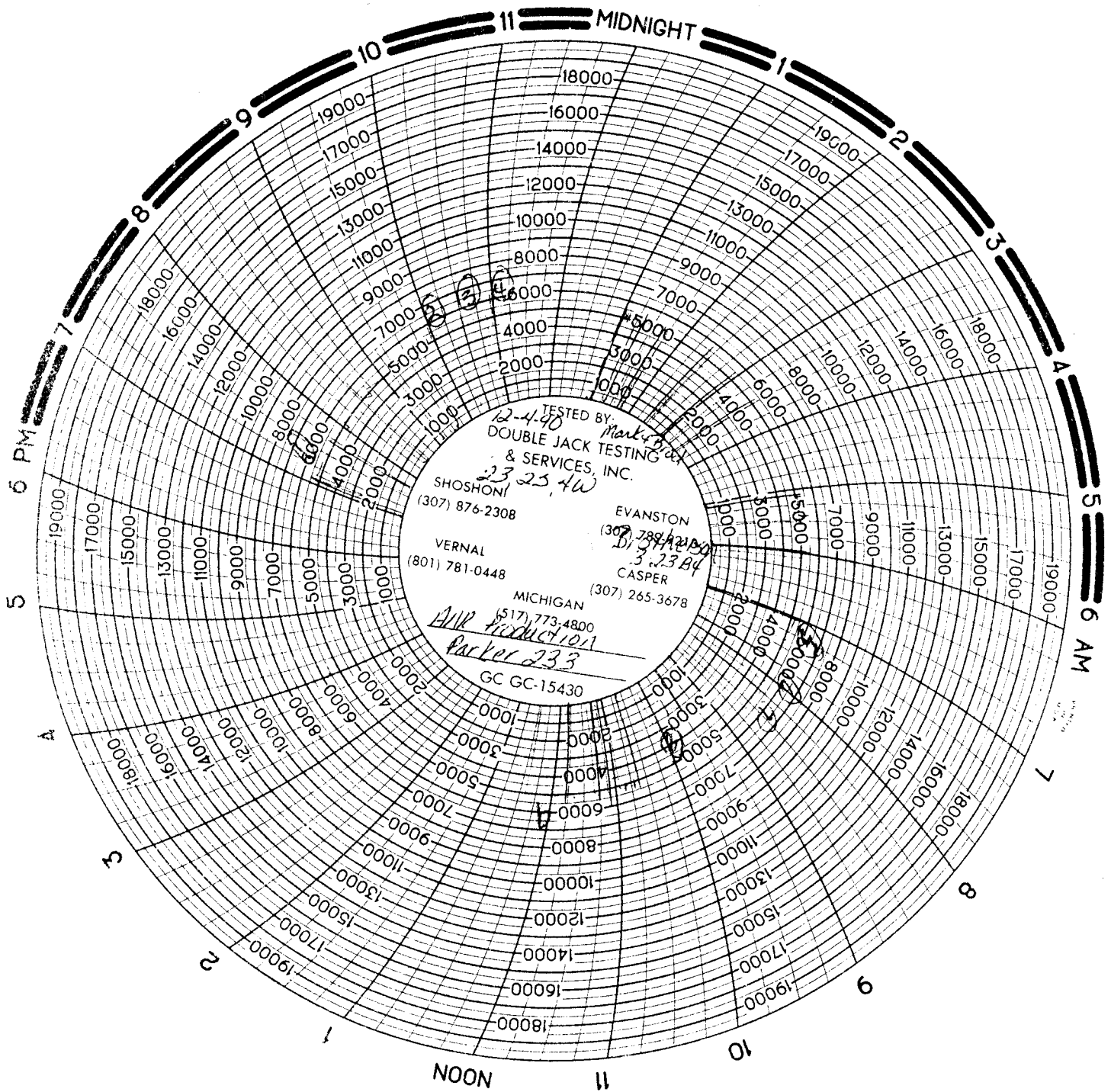
COMPANY		LEASE AND WELL NAME		DATE OF TEST	RIG # AND
A.N.R. PRODUCTS		BROTHERSON 3-23-B4		12-4-90	PARKER #233
TEST #	TIME				
(1)	6:42 - 6:52	INSIDE CHOKE MANIFOLD VALVES, 5000 PSI			
(2)	7:00 - 7:10	OUTSIDE CHOKE MANIFOLD VALVES, 5000 PSI			
(3)	8:19 - 8:29	LOWER KELLY, 5000 PSI			
(4)	8:32 - 8:42	UPPER KELLY, 5000 PSI			
(5)	12:26 - 12:36	PIPE RAMS, 1 ST CHOKELINE VALVE, 1 ST KILL VALVE, FLOOR VALVE, 5000 PSI			
(6)	12:47 - 12:57	PIPE RAMS, 2 ND CHOKELINE VALVE, 1 ST KILL VALVE, PART VALVE, 5000 PSI			
(7)	1:01 - 1:11	PIPE RAMS, H.C.R., CHECK VALVES, 5000 PSI			
(8)	1:44 - 1:54	HYDRUL, 2500 PSI			
(9)	2:52 - 3:02	BLIND RAMS, 5000 PSI			

PARKER # 233



PARKER 233





STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use APPLICATION FOR PERMIT— for such proposals.		6. Lease Designation and Serial Number
		Fee
		7. Indian Allottee or Tribe Name
		N/A
		8. Unit or Communitization Agreement
		N/A
1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other (specify)		9. Well Name and Number
2. Name of Operator ANR Production Company		10. API Well Number
3. Address of Operator P. O. Box 749, Denver, Colorado 80201-0749		43-013-31289
4. Telephone Number (303) 573-4476		11. Field and Pool, or Wildcat
5. Location of Well Footage : 1177' FSL & 1112' FWL Q. Sec. T. R. M. : SWSW Section 23, T2S-R4W County : Duchesne State : UTAH		Altamont
12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		

NOTICE OF INTENT
 (Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate Date Work Will Start 6/15/91

SUBSEQUENT REPORT
 (Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Date of Work Completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

• Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Please see the attached procedure to cement squeeze water producing intervals in the above-referenced well.

RECEIVED

JUN 06 1991

DIVISION OF
OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name & Signature

(State Use Only)

Title Regulatory Analyst Date 6/3/91

WORKOVER PROCEDURE

BROTHERSON #3-23B4

SECTION 23, T2S, R4W
ALTAMONT FIELD
DUCHESNE COUNTY, UTAH

APRIL 3, 1991

WELL DATA

Location: 1177' FSL, 1112' FWL
Elevation: 6341' GL, 6363' KB
TD: 12,600'
PBD: 12,554'
Casing: 13-3/8" 61# K-55, ST&C @ 235', cmt w/300 sxs
9-5/8" 40# S-95, LT&C @ 6030', cmt w/1570 sxs
7" 26# N-80 & S-95, LT&C and Buttress liner from 5733' to
10,600' cmt w/1100 sxs
5" 18# S-95, 521 Hydril set from 10,305' to 12,600' cmt w/240
sxs
Tubing: 2-7/8" 6.5# N-80 EUE 8rd tubing @ 9966'
Dual string anchor @ 9969', SN @ 9904'.

TUBULAR DATA

<u>Description</u>	<u>ID</u>	<u>Drift</u>	<u>Capacity</u> (B/F)	<u>Burst</u> (psi)	<u>Collapse</u> (psi)
7" 26# N-80	6.276"	6.151"	.0382	7240	5410
7" 26# S-95	6.276"	6.151"	.0382	8600	7800
5" 18# S-95	4.276"	4.151"	.0177	12040	11880
2-7/8" 6.5# N-80	2.441"	2.347"	.00579	10570	11160

WELL HISTORY

January, 1991: Initial completion. Perf Wasatch from 11,088' to 12,519', 3
SPF, 294 tot holes. Acidize w/12,000 gal 15% HCl. Flowed
1340 BOPD, 2263 MCFPD, 332 BWPD, FTP 200 psi, 32/64" choke.

February, 1991: Install artificial lift, beam pump.

PRESENT STATUS

Producing on beam pump with dual string anchor, 115 BOPD, 573 BWPD and 181
MCFPD.

PROCEDURE

1. MIRU service rig. ND WH, NU BOPE. POOH w/rods. POOH & LD 2-1/16" side
string. Release dual string anchor. POOH w/anchor and 2-7/8" tbg.

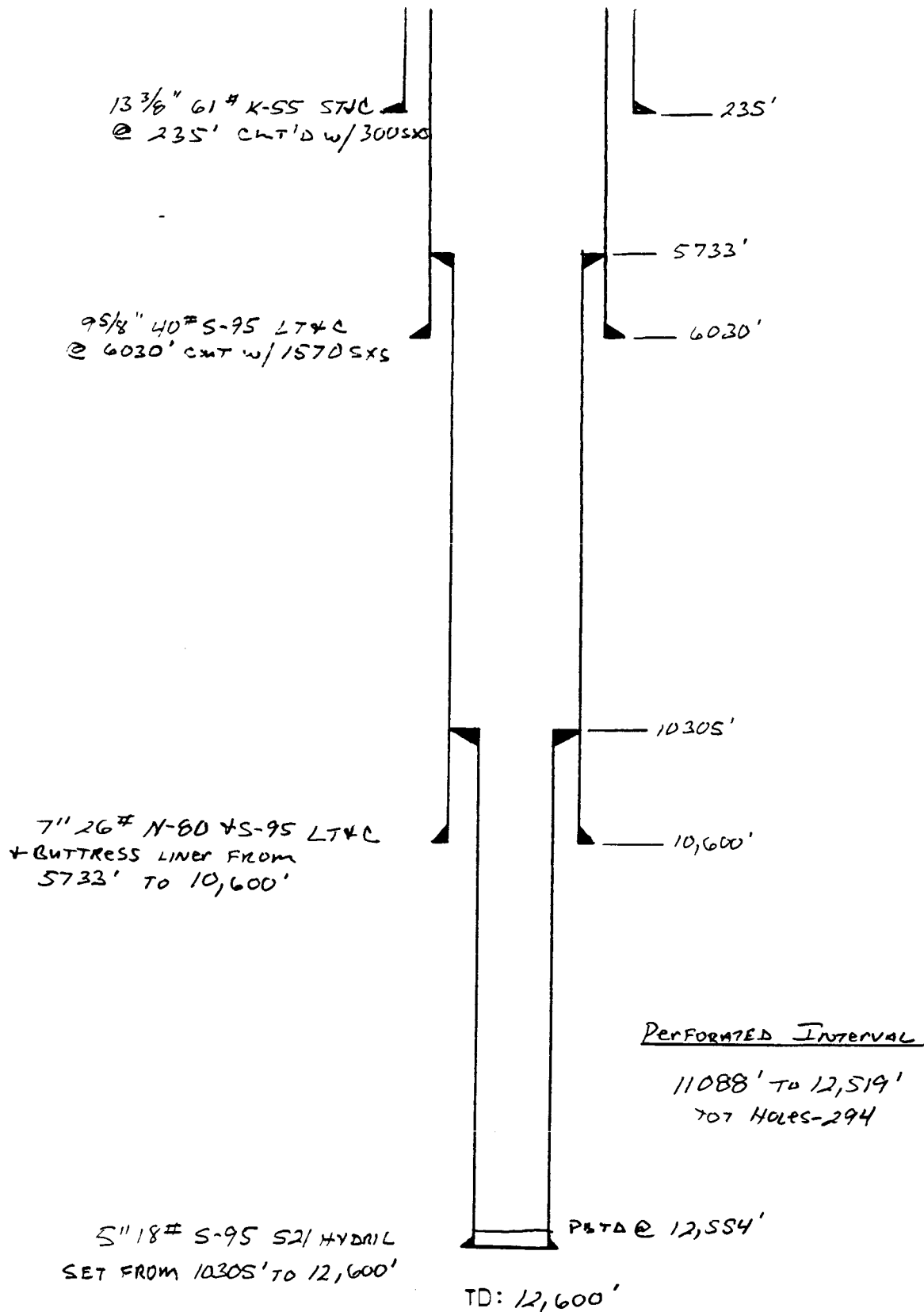
2. RU wireline service company. PU & RIH w/5" 18# Easy Drill bridge plug and set @ $\pm 12,115'$, per Atlas Dual Induction Focused Log dated 1/10/91 and 12/21/90.
3. PU & RIH w/5" 18# treating pkr. Pressure test bridge plug to 3000 psi. Set pkr @ $\pm 11,920'$. Establish injection rate. POOH.
4. RU wireline service company. PU & RIH w/cement retainer. Set retainer @ $\pm 11,920'$.
5. PU & RIH w/2-7/8" tbg and stinger. Sting into retainer and establish injection rate. Release from retainer. Fill tbg w/freshwater. Sting into retainer. Squeeze perfs from 11,935' to 12,094', 66 total holes, w/75 sxs Halliburton Matrix cement. Flush w/freshwater. Release from retainer, POOH above top perf @ 11,088'. Reverse tbg clean. POOH.
6. PU & RIH w/mill. Mill out cement retainer and cement to below bottom perf @ 12,094'. POOH.
7. PU & RIH w/treating pkr. Pressure test squeeze to 1500 psi. Repeat Steps 4 through 6, if necessary. POOH.
8. PU & RIH w/mill. Mill out bridge plug @ $\pm 12,115'$. POOH.
9. PU & RIH w/production equipment and return online.

PRESENT WELLBORE SCHEMATIC

Brotherson #3-2334

S.C. Prutch

3/28/91



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. Fee
2. Name of Operator ANR Production Company	6. If Indian, Allottee or Tribe Name N/A
3. Address and Telephone No. P. O. Box 749, Denver, Colorado 80201-0749 (303) 573-4476	7. If Unit or C.A. Agreement Designation CA #9674
4. Location of well (Footage, Sec., T., R., M., or Survey Description) 1177' FSL & 1112' FWL (SWSW) Section 23, T2S-R4W	8. Well Name and No. Brotherson #3-23B4
	9. API Well No. 43-013-31289
	10. Field and Pool, or Exploratory Area Altamont
	11. County or Parish, State Duchesne County, Utah

CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- | | |
|---|--|
| <input type="checkbox"/> Abandonment
<input type="checkbox"/> Recommission
<input type="checkbox"/> Plugging Back
<input type="checkbox"/> Casing Repair
<input type="checkbox"/> Altering Casing
<input type="checkbox"/> Other | <input type="checkbox"/> Change of Plans
<input type="checkbox"/> New Construction
<input type="checkbox"/> Non-Routine Fracturing
<input checked="" type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Conversion to Injection
<input type="checkbox"/> Dispose Water |
|---|--|

(Note: Report results of recommissioning on Well Completion or Recommission Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Please see the attached chronological history for the water shut-off procedure performed on the above-referenced well.

RECEIVED

AUG 19 1991

DIVISION OF
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed William D. Hays Title Regulatory Analyst Date 8/16/91

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any: _____

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See instruction on Reverse Side

THE COASTAL CORPORATION
PRODUCTION REPORT

CHRONOLOGICAL HISTORY

BROTHERSON #3-23B4 (SQZ WTR)
ALTAMONT FIELD
DUCHESNE COUNTY, UTAH
WI: 78.453% ANR AFE: 63536

Page 12

8/8/91 Fin POOH w/rods & pump. Flushed tbg & BHA. PU new pump & TIH.
 Returned to production.

8/8/91 Pmpd 22 BO, 341 BW, 140 MCF/10 hr, 11 SPM.

8/9/91 Pmpd 70 BO, 336 BW, 164 MCF/24 hr, 11 SPM.

8/10/91 Pmpd 81 BO, 295 BW, 164 MCF/24 hr, 11 SPM.

8/11/91 Pmpd 90 BO, 339 BW, 200 MCF/24 hr, 11 SPM.

8/12/91 Pmpd 113 BO, 347 BW, 270 MCF/24 hr, 11 SPM.

 Prior prod: Pmpd 91 BOPD, 491 BWPD, 180 MCFPD, 11.7 SPM. Final
 report.

THE COASTAL CORPORATION
PRODUCTION REPORT

CHRONOLOGICAL HISTORY

BROTHERSON #3-2384 (SQZ WTR)
ALTAMONT FIELD
DUCHESE COUNTY, UTAH
WI: 78.453% ANR AFE: 63536

Page 11

7/16/91 Drld cmt retainer junk @ 12,099'. Drld out firm cmt from 11,912'-12,099'.
DC: \$3,837 TC: \$81,042

7/17/91 POH w/4-1/8" mill, prep to run new mill. Drld up retainer and cmt from 12,099' to CIBP @ 12,115' in 6 hr. Milled on CIBP for 2 hr, no progress, mill quit.
DC: \$3,149 TC: \$84,191

7/18/91 Prep to mill out CIBP. Fin POOH w/worn mill. PU & RIH w/4-1/8" mill shoe and 4' of wash pipe to 12,094'.
DC: \$2,414 TC: \$86,605

7/19/91 Prep to mill out CIBP. Operations SD for rig repair - broken brake band.

7/22/91 POH w/mill. Milled over CIBP @ 12,115' in 3-1/2 hrs. Chased plug to PBTD @ 12,540'. POH w/2-7/8" tbg to 9300'.
DC: \$3,598 TC: \$90,203

7/23/91 RIH w/rods & pump. Fin POH w/mill. TIH w/pmpg BHA on 2-7/8" tbg. Set tbg anchor @ 10,200'. ND BOP, NU WH.
DC: \$2,494 TC: \$92,697

7/24/91 Well on pump. RIH w/pump and rods. Place well on pump @ 2:00 p.m., 7/24/91.
DC: \$8,691 TC: \$101,388

7/24/91 Pmpd 8 BO, 449 BLW, 74 MCF/18 hr, 11.7 SPM.

7/25/91 Pmpd 6 BO, 197 BLW, 88 MCF/11 hr. Down 13 hr - power failure.

7/26/91 Pmpd 17 BO, 495 BLW, 124 MCF/24 hr.

7/27/91 Pmpd 84 BO, 370 BLW, 140 MCF/22 hr. Down 2 hr - electric motor.

7/28/91 Pmpd 86 BO, 390 BLW, 210 MCF/24 hr.

7/29/91 Pmpd 96 BO, 375 BLW, 236 MCF/24 hr.

7/30/91 Pmpd 93 BO, 361 BLW, 210 MCF/24 hr.

7/31/91 Pmpd 76 BO, 329 BW, 188 MCF/24 hr.

8/1/91 Pmpd 87 BO, 343 BW, 204 MCF/24 hr.

8/2/91 Pmpd 126 BO, 399 BW, 280 MCF/24 hr, 11.7 SPM.

8/3/91 Pmpd 10 BO, 25 BW, 165 MCF/5 hr, 11.7 SPM. Down 19 hrs - motor overtemp.

8/4/91 Pmpd 78 BO, 390 BW, 174 MCF/24 hr, 11.7 SPM.

8/5/91 Pmpd 60 BO, 372 BW, 164 MCF/22 hr, 11.7 SPM. Down 2 hr - hot oiled.

8/6/91 Pmpd 68 BO, 339 BW, 164 MCF/24 hr, 11.7 SPM.

8/7/91 Prep to flush paraffin from tbg. MIRU service rig. POOH w/rods and pump.

THE COASTAL CORPORATION
PRODUCTION REPORT

CHRONOLOGICAL HISTORY

Page 10

BROTHERSON #3-23B4 (SQZ WTR)
ALTAMONT FIELD
DUCHESNE COUNTY, UTAH
WI: 78.453% ANR AFE: 63536
TD: 12,600' (WASATCH) PBD: 12,554'
SD: 11/25/90
5" LINER @ 10,305'-12,600' (WASATCH)
PERFS: 11,088-12,519'
CWC(M\$): \$88.2

- 6/24-26/91 POH w/mill, prep to set CIBP. MIRU workover rig. POH w/rods and pump. NU BOP, rel anchor & POH w/2-7/8" tbg. TIH w/4-1/8" mill, tag fill @ 12,540' (21' below btm perf). POH w/1000' 2-7/8" tbg.
DC: \$8,405 TC: \$8,405
- 6/27/91 TIH w/pkr, prep to test CIBP. Fin POH w/4-1/8" mill. RU WL. Set CIBP @ 12,115'. TIH w/5" pkr to 10,222'.
DC: \$6,294 TC: \$14,699
- 6/28/91 Prep to run cmt retainer. Set 5" pkr @ 12,105'. Test CIBP to 2500 psi. Reset pkr @ 11,915' & est inj rate @ 2-1/2 BPM w/1400# PP. POH w/pkr.
DC: \$3,230 TC: \$17,929
- 7/1/91 Prep to sqz off wtr @ 11,974'-12,086'. POH w/pkr. Set cmt retainer @ 11,920'. RIH w/stinger on 2-7/8" tbg, sting into retainer.
DC: \$5,781 TC: \$23,710
- 7/2/91 TIH w/4-1/8" mill to drill out squeeze. RU cementers. Sqzd off wtr in Wasatch @ 11,974'-12,086' w/150 sx to 1300 psi. Left 142 sx below retainer @ 11,920' and 20' on top (PBD 11,900'). Rev out, POH w/stinger. TIH w/4-1/8" mill to 1800'.
DC: \$14,767 TC: \$38,477
- 7/3/91 RIH w/4-1/8" mill to drill out squeeze. TIH w/mill to cmt retainer @ 11,920'. Found green cmt on top - plugged mill. POH & cleaned mill. Reran 4-1/2" mill to 10,259'.
DC: \$3,058 TC: \$41,535
- 7/5/91 Mill on retainer. RIH w/4-1/8" mill, tag cmt retainer @ 11,920'. Milled 2' in 6 hrs, retainer fell 1-1/2'.
DC: \$3,894 TC: \$45,429
- 7/8/91 POH w/mill, prep to press tst sqz. Drilled up cmt retainer @ 11,920'. Clean out ratty cmt to 12,089' - mill worn out. POH w/1400' 2-7/8" tbg.
DC: \$3,697 TC: \$49,126
- 7/9/91 Prep to resqueeze off wtr in perfs @ 11,974'-12,086'. POH w/mill. TIH w/5" pkr on 2-7/8" tbg. Set pkr @ 11,906', establish inj rate into perfs @ 1-1/2 BPM w/2000 psi PP.
DC: \$3,585 TC: \$52,711
- 7/10/91 WOC. Sqzd Wasatch perfs @ 11,974'-12,086' w/75 sx Howco's Matrix cmt @ 1/3 to 1 BPM. Rev out, reset pkr @ 11,906'. SD - WOC.
DC: \$10,652 TC: \$63,363
- 7/11/91 Prep to pressure test squeeze. WOC.
- 7/12/91 POH w/pkr. Pressure test squeeze perfs @ 11,974'-12,086', PI @ 1 BPM w/2300 psi. Resqzd perfs w/100 sx cmt to 3000 psi. Rev out 11 sx. Reset pkr @ 11,906' and left 2000 psi on sqz.
DC: \$11,359 TC: \$74,722
- 7/15/91 Prep to drill out squeeze cmt. POOH w/tbg & pkr. PU 4-1/8" mill on 2-3/8" x 2-7/8" tbg & TIH.
DC: \$2,483 TC: \$77,205

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

Type of well
☒ Oil Well ☐ Gas Well ☐ Other

1. Name of Operator
ANR Production Company

2. Address and Telephone No.
P. O. Box 749 Denver, CO 80201-0749 (303) 573-4476

3. Location of well (Footage, Sec., T., R., M., or Survey Description)
1177' FSL & 1112' FWL (SW/SW)
Section 23, T2S-R4W

5. Lease Designation and Serial No.

Fee

6. If Indian, Allottee or Indian Name

N/A

7. If Unit or L.A. Agreement Designation

CA #9674

8. Well Name and No.

Brotherson #3-23B4

9. API Well No.

43-013-31289

10. Field and Pool, or Exploratory Area

Altamont

11. County or Parish, State

Duchesne County, Utah

CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recommission
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Perf & Acidize
- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of modifications on well completion or abandonment report and log form.)

13. Describe proposed or completed operations (Clearly state all pertinent details, and give pertinent data, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measures and true vertical depths for all markers and zones pertinent to this work.)

Please see the attached procedure to perforate and acidize the Wasatch formation in the above referenced well.

RECEIVED

OCT 09 1991

DIVISION OF
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed Eileen Manni Day Title Regulatory Analyst

Date 10/2/91

(This space for Federal or State Office Use)

Approved by _____
Conditions of approval, if any:

Title _____

Date _____

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and unlawfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See instruction on Reverse Side

WORKOVER PROCEDURE

BROTHERSON #3-23B4

SECTION 23, T2S, R4W
ALTAMONT FIELD
DUCHESNE COUNTY, UTAH

September 11, 1991

WELL DATA

Location: 1177' FSL, 1112' FWL
Elevation: 6341' GL, 6363' KB
TD: 12,600'
PBSD: 12,554'
Casing: 13-3/8" 61# K-55, ST&C @ 235', cmt w/300 sxs
9-5/8" 40# S-95, LT&C @ 6030', cmt w/1570 sxs
7" 26# N-80 & S-95, LT&C and Buttress liner from 5733' to
10,600' cmt w/1100 sxs
5" 18# S-95, 521 Hydril set from 10,305' to 12,600' cmt w/240
sxs
Tubing: 2-7/8" 6.5# N-80 EUE 8rd tubing @ 10200

TUBULAR DATA

<u>Description</u>	<u>ID</u>	<u>Drift</u>	<u>Capacity</u> (B/F)	<u>Burst</u> (psi)	<u>Collapse</u> (psi)
7" 26# N-80	6.276"	6.151"	.0382	7240	5410
7" 26# S-95	6.276"	6.151"	.0382	8600	7800
5" 18# S-95	4.276"	4.151"	.0177	12040	11880
2-7/8" 6.5# N-80	2.441"	2.347"	.00579	10570	11160

WELL HISTORY

January, 1991: Initial completion. Perf Wasatch from 11,088' to 12,519', 3
SPF, 294 tot holes. Acidize w/12,000 gal 15% HCl. Flowed
1340 BOPD, 2263 MCFPD, 332 BWPD, FTP 200 psi, 32/64" choke.

February, 1991: Install artificial lift, beam pump.

July, 1991: Cement squeezed water producing perforations 11,920-12,115'.

PRESENT STATUS

Producing on beam pump 56 BOPD, 210 BWPD and 248 MCFPD.

PROCEDURE

1. MIRU service rig. POOH w/rods. ND wellhead and NU BOP. POOH with 2-7/8" tubing.

2. PU 4-1/8" bit on 2-3/8 x 2-7/8" tubing and clean out 5" liner to PBTD of $\pm 12,554$. POOH laying down bit.
3. Perforate Wasatch formation 11,115-12,529' with 3 spf and 120° phasing using a 3-1/8" casing gun as per attached procedure.
4. PU 5" x 2-3/8" packer on 2-3/8" x 3-1/2" tubing and TIH. Set packer @ $\pm 12,120'$.
5. Acidize Wasatch perms 12,129-12,529' with 6,000 gals 15% HCl with additives and 200 1.1 s.g. ball sealers.
 - A. Precede acid w/100 bbls water w/10 gal per 1000 scale inhibitor and 500 gals Xylene.
 - B. All water to contain 3% KCl.
 - C. Acidize in 2 stages of 3000 gals each with diverter stages of 1000 gals gelled saltwater with 1/2#/gal each of Benzoic acid flakes and rock salt.
 - D. Acid to be pumped at maximum rate possible @ 8500 psig maximum pressure.
6. Flow back acid load. Unseat pkr and POOH.
7. Wireline set 5" RBP @ 11,930' with 20' of sand on top. PU 5" x 2-7/8" packer on 2-7/8" x 3-1/2" tubing and TIH. Set packer @ $\pm 10,400'$.
8. Acidize Wasatch perms 11,088-11,896' with 9,000 gals 15% HCl with additives and 400 1.1 s.g. ball sealers.
 - A. Precede acid w/150 bbls water w/10 gal per 1000 scale inhibitor and 500 gals Xylene.
 - B. All water to contain 3% KCl.
 - C. Acidize in 3 stages of 3000 gals each with diverter stages of 1000 gals gelled saltwater with 1/2#/gal each of Benzoic acid flakes and rock salt.
 - D. Acid to be pumped at maximum rate possible @ 8500 psig maximum pressure.
9. Flow back acid load. Unseat pkr and POOH, laying down packer and tubing.
10. PU retrieving head on 2-3/8 X 2-7/8" tubing and TIH to 11,910'. Wash down and retrieve RBP @ 11,930'. POOH laying down RBP. Rerun production equipment and return well to production.

Perforation Schedule
Brotherson #3-23B4
SW/4 Section 23, T2S-R4W
Duchesne County, Utah
Greater Altamont Field

Depth reference: Atlas-Dual Induction Focused Log (Run #2 1/10/91).

12529	12314	11712	11303
12499	12268	11692	11298
12493	12221	11666	11262
12486	12209	11663	11257
12465	12199	11608	11232
12449	12193	11599	11205
12444	12188	11591	11181
12427	11889	11518	11174
12409	11873	11491	11155
12402	11857	11462	11120
12386	11847	11452	11115
12370	11814	11446	
12357	11778	11392	
12353	11753	11344	

Gross Wasatch Interval 11,115'-12,529', 53 feet, 39 zones.

RJL
RJL
8/28/91

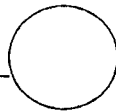
LOCATION PLAT

BROTHERSON 3-23B4

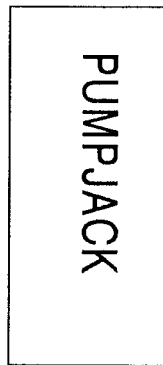
SEC.23 T2S R4W

DUCHESNE COUNTY, UTAH

ACCESS
ROAD



WELLHEAD



PUMPJACK



N

FLOWLINE

MAIN ACCESS ROAD

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
ANR Production Company

3. Address and Telephone No.
P. O. Box 749 Denver, CO 80201-0749 (303) 573-4476

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1177' FSL & 1112' FWL (SW/SW)
Section 23, T2S-R4W

5. Lease Designation and Serial No.

Fee

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

CA #9674

8. Well Name and No.

Brotherson #3-23B4

9. API Well No.

43-013-31289

10. Field and Pool, or Exploratory Area

Altamont

11. County or Parish, State

Duchesne County, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Cleanout, Perf & Acidize
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Please see the attached chronological history for the cleanout, perf and acid job performed on the above referenced well.

RECEIVED

DEC 09 1991

DIVISION OF
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct.

Signed

Eileen Damm Doy

Title

Regulatory Analyst

Date

12/5/91

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

THE COASTAL CORPORATION
PRODUCTION REPORT

CHRONOLOGICAL HISTORY

BROTHERSON #3-23B4 (CO, PERF & ACDZ)
ALTAMONT/BLUEBELL FIELD
DUCHESNE COUNTY, UTAH
WI: 78.453125% ANR AFE: 63723
TD: 12,600' PBD: 12,554'
5" LINER @ 10,305'-12,600'
PERFS: 11,088'-12,529' (WASATCH)
CWC(M\$): \$126.7

PAGE 13

- 11/6/91 POOH w/tbg. MIRU. POOH w/rods. SOH w/tbg.
DC: \$4,534 TC: \$4,534
- 11/7/91 CO 5" liner to PBD. Fin POOH w/tbg. SIH w/4-1/8" mill & CO tools.
Stop @ liner top.
DC: \$2,098 TC: \$6,632
- 11/8-9/91 Fin RIH w/pkr & 3-1/2" tbg. CO lnr to 12,540'. Perf Wasatch from
11,115' to 12,529', 3 SPF, 159 tot holes. PU & RIH w/Mtn States 10K
5" pkr and 3-1/2" tbg.
DC: \$19,644 TC: \$26,276
- 11/11/91 Swab testing. Set pkr @ 12,120'. Acdz Wasatch perfs from 12,129'-
12,529' w/6000 gals 15% HCl, 200 - 1.1 BS's, BAF & RS. MTP 5500 psi,
ATP 5450 psi, MTR 14.2 BPM, ATR 7 BPM. ISIP 290 psi, 5 min 0 psi.
Made 8 swab trips. IFL @ 4800', FFL @ 6000'. Rec 65.1 BW, TLTR 398
bbls.
DC: \$29,668 TC: \$55,944
- 11/12/91 Prep to rls pkr. Made 19 swab trips. IFL @ 6600', FFL @ 8400'.
Final pH 5. Rec 134 tot BF (129 BW & 5 BO). TLTR 204 bbls.
DC: \$3,331 TC: \$59,275
- 11/13/91 RIH w/3-1/2" tbg. Rls pkr & POOH w/tbg. Set WL RBP @ 11,930'. Spot
20' of sand on RBP. PU & SIH w/5" Mtn States 10K pkr with on/off
tool.
DC: \$8,065 TC: \$67,340
- 11/14/91 Prep to acdz. SITP 120 psi. Fin RIH w/pkr & set @ 10,378'. Prep to
acdz this a.m.
DC: \$3,447 TC: \$70,787
- 11/15-17/91 POOH w/3-1/2" tbg. Acdz Wasatch perfs from 11,088'-11,896' w/9000
gals 15% HCl w/add, BAF, RS & 402 - 1.1 BS's. MTP 8600 psi, ATP 8450
psi, MTR 25.6 BPM, ATR 20 BPM. ISIP 5820 psi, 15 min 770 psi. Good
diversion. Made 13 swab trips and well started flwg. Flwd 14 hrs,
made 91 BO, 12 BW, 145 MCF on 24/64" chk, FTP 100 psi. Rls pkr & SOH
w/3-1/2" tbg.
DC: \$39,515 TC: \$110,302
- 11/18/91 Prep to retrieve BP. Finish POOH & LD 3-1/2" tbg. PU & RIH with
retrieving head.
DC: \$3,898 TC: \$114,200
- 11/19/91 Prep to RIH w/prod equip. Tag sand top @ 11,910'. Wash sand out.
Rls BP. SOH w/RBP & tbg.
DC: \$2,566 TC: \$116,766
- 11/20/91 Fin RIH w/rods. RIH w/TAC and PBGA assembly. Set TAC @ 10,201'. PU
& RIH w/1-3/4" pump & rods.
DC: \$5,456 TC: \$122,222
- 11/21/91 Producing. Fin RIH w/rods. Return to prod. Pmpd 107 BO, 225 BW,
174 MCF, 9.5 SPM in 20 hrs. Plan to check FL this a.m. (11/22/91)
and speed up pmpg unit.
DC: \$1,720 TC: \$123,942

THE COASTAL CORPORATION
PRODUCTION REPORT

CHRONOLOGICAL HISTORY

BROTHERSON #3-23B4 (CO, PERF & ACDZ)
ALTAMONT/BLUEBELL FIELD
DUCHESNE COUNTY, UTAH
WI: 78.453125% ANR AFE: 63723

PAGE 14

11/21/91 Pmpd 107 BO, 225 BW, 174 MCF, 9.5 SPM/20 hrs.

11/22/91 Pmpd 80 BO, 235 BW, 217 MCF, 11 SPM.

11/23/91 Pmpd 126 BO, 246 BW, 222 MCF, 11 SPM.

11/24/91 Pmpd 112 BO, 285 BW, 208 MCF, 11 SPM.

11/25/91 Pmpd 114 BO, 316 BW, 646 MCF, 11 SPM.

11/26/91 Pmpd 195 BO, 305 BW, 277 MCF, 11 SPM.

Prior prod: 25 BOPD, 90 BWPD, 252 MCFPD. Final report.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

ANR Production Company

3. Address and Telephone No.

P. O. Box 749 Denver, CO 80201-0749 (303) 573-4476

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1177' FSL & 1112' FWL
Section 23, T2S-R4W

5. Lease Designation and Serial No.

Fee

6. If Indian, Ailotee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

CA #9674

8. Well Name and No.

Brotherson #3-23B4

9. API Well No.

43-013-31289

10. Field and Pool, or Exploratory Area

Altamont

11. County or Parish, State

Duchesne County, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment
☒ Recompletion Revised
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other

☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion or Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Please see the attached procedure to perforate and acidize the Lower Green River formation and then commingle this production with the presently producing Wasatch interval.

14. I hereby certify that the foregoing is true and correct

Signed Eileen Danna Dey Title Regulatory Analyst

Date 3/12/92

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

RECOMPLETION PROCEDURE

Brotherson #3-23B4
Section 23, T2S, R4W
Altamont Field
Duchesne County, Utah

WELL DATA

Location: 1177' FSL, 1112' FWL
Elevation: 6341' GL, 6363' KB
TD: 12,600'
PBD: 12,550'
Casing: 13-3/8" 61# K-55, ST&C @ 235', cmt w/300 sxs
9-5/8" 40# S-95, LT&C @ 6030', cmt w/1570 sxs
7" 26# N-80 & S-95, LT&C and Buttress liner from 5733' to 10,600',
cmt w/1100 sxs
5" 18# S-95, 521 Hydril set from 10,305' to 12,600', cmt w/240 sxs
Tubing: 2-7/8" 6.5# N-80 EUE 8rd tbg @ 10,095'
2-7/8" 6.5# N-80 IJ NuLok from 10,095' to 10,867'
TAC @ 11,030'; SN @ 10,895'

TUBULAR DATA

<u>Description</u>	<u>ID</u>	<u>Drift</u>	<u>Capacity</u> (B/F)	<u>Burst</u> (psi)	<u>Collapse</u> (psi)
7" 26# N-80	6.276"	6.151"	.0382	7240	5410
7" 26# S-95	6.276"	6.151"	.0382	8600	7800
5" 18# S-95	4.276"	4.151"	.0177	12040	11880
2-7/8" 6.5# N-80	2.441"	2.347"	.00579	10570	11160

PERFORATIONS: 11,088' to 12,529', 3 SPF, 453 tot holes.
NOTE: 66 of these perms from 11,935' to 12,094' were squeezed off.

WELL HISTORY

January 1991: Initial completion. Perf Wasatch from 11,088' to 12,519', 3 SPF, 294 tot holes. Acidize w/12,000 gals 15% HCl. Flowed 1340 BOPD, 2263 MCFPD, 332 BWPD, FTP 200 psi, 32/64" choke.

February 1991: Install artificial lift (beam pump)
Prod Before Install: 59 BOPD, 44 BWPD, 126 MCFPD, FTP 50 PSI, 20/64" chk.
Prod After Install: 260 BOPD, 493 BWPD, 262 MCFPD

July 1991: Sqz wtr producing perforations from 11,935' to 12,094', 66 tot holes w/325 sxs cmt.
Prod Prior to Sqz: 80 BOPD, 500 BWPD, 233 MCFPD
Prod After Sqz: 87 BOPD, 343 BWPD, 204 MCFPD

November 1991: Add perms from 11,115' to 12,529', 3 SPF, 159 total holes. Acidize perms from 12,129' to 12,529' w/6000 gals 15% HCl. Acidize perms from 11,088' to 11,896' w/9000 gals 15% HCl.
Prod Prior to Workover: 35 BOPD, 90 BWPD, 252 MCFPD
Prod After Workover: 114 BOPD, 316 BWPD, 646 MCFPD

PRESENT PRODUCTION: As of 2/11/92 - 41 BOPD, 193 BWPB, 196 MCFPD

PROCEDURE

1. MIRU service rig. ND WH, NU BOPE. POOH w/rods. Release TAC and POOH w/tbg.
2. PU and RIH w/4-1/8" mill and CO tools. CO 5" liner to PBTD @ 12,550'. POOH.
3. RU wireline service company. PU and RIH w/3-1/8" csg gun, 3 SPF, 120° phasing and perforate the Upper Wasatch from 10,338' to 11,079', 3 SPF, 51 settings, 153 total holes per the attached schedule. PU and RIH w/4" csg gun, 3 SPF, 120° phasing, and perforate Upper Wasatch and Lower Green River from 8884' to 10,271', 65 settings, 195 total holes per the attached schedule.
4. PU and RIH w/5" RBP w/ball catcher on 2-7/8" 8rd tbg and set @ $\pm 11,083'$. POOH. PU & RIH w/7" HD pkr on 3 1/2" 9.3# N-80 tbg. Set pkr @ $\pm 8830'$.
5. Acidize Upper Wasatch and Lower Green River perforations from 8884' to 11,079', 348 total holes w/10,500 gals 15% HCl w/add and 500 - 1.1 BS's. Max treating pressure 8500 psi.
NOTE: This acid job should be designed to include the following:
 - A. All fluid to be heated to 150°F.
 - B. All water to contain 3% KCl.
 - C. Precede acid w/150 bbls KCl wtr w/10 gals per 1000 gals scale inhibitor and 100 1.1 BS's evenly spaced in wtr.
 - D. Acidize in one stage of 10,500 gals w/400 1.1 BS's evenly spaced.
 - E. Xylene is not required for this job.
6. Swab/flow back acid load.
7. If necessary kill well w/3% KCl wtr. Release pkr and POOH. PU and RIH w/retrieving head. Release bridge plug @ $\pm 11,083'$. POOH.
8. RIH w/production equipment. Consult w/Denver office for rod design.

SCP:cam

Greater Altamont Field
 ANR - Brotherson #3-23B4
 SW/4 Section 23, T2S-R4W
 Duchesne County, Utah

Perforation Schedule

Depth Reference: Atlas DIFL-GR Run 1, 2 (12/21/90, 1/10/91)

11079	10869	10678	10407	9962	9502	9293	9015
11073	10862	10673	10402	9957	9490	9285	8990
11005	10849	10658	10388	9906	9483	9246	8962
10970	10829	10652	10387	9885	9472	9230	8951
10965	10819	10646	10351	9879	9465	9216	8939
10950	10807	10636	10338	9824	9450	9212	8931
10947	10801	10633	10271	9790	9436	9184	8925
10936	10790	10618	10264	9784	9428	9152	8912
10922	10783	10566	10256	9779	9390	9121	8908
10911	10777	10553	10252	9767	9386	9103	8894
10905	10772	10531	10228	9723	9375	9092	8884
10898	10716	10525	10222	9683	9365	9088	
10894	10712	10518	10996	9540	9361	9073	
10887	10707	10511	10992	9528	9354	9058	
10881	10698	10413	10973	9507	9310	9040	

Gross Lower Green River - Wasatch Interval 8,884'-11,074' 116 feet, 75 zones

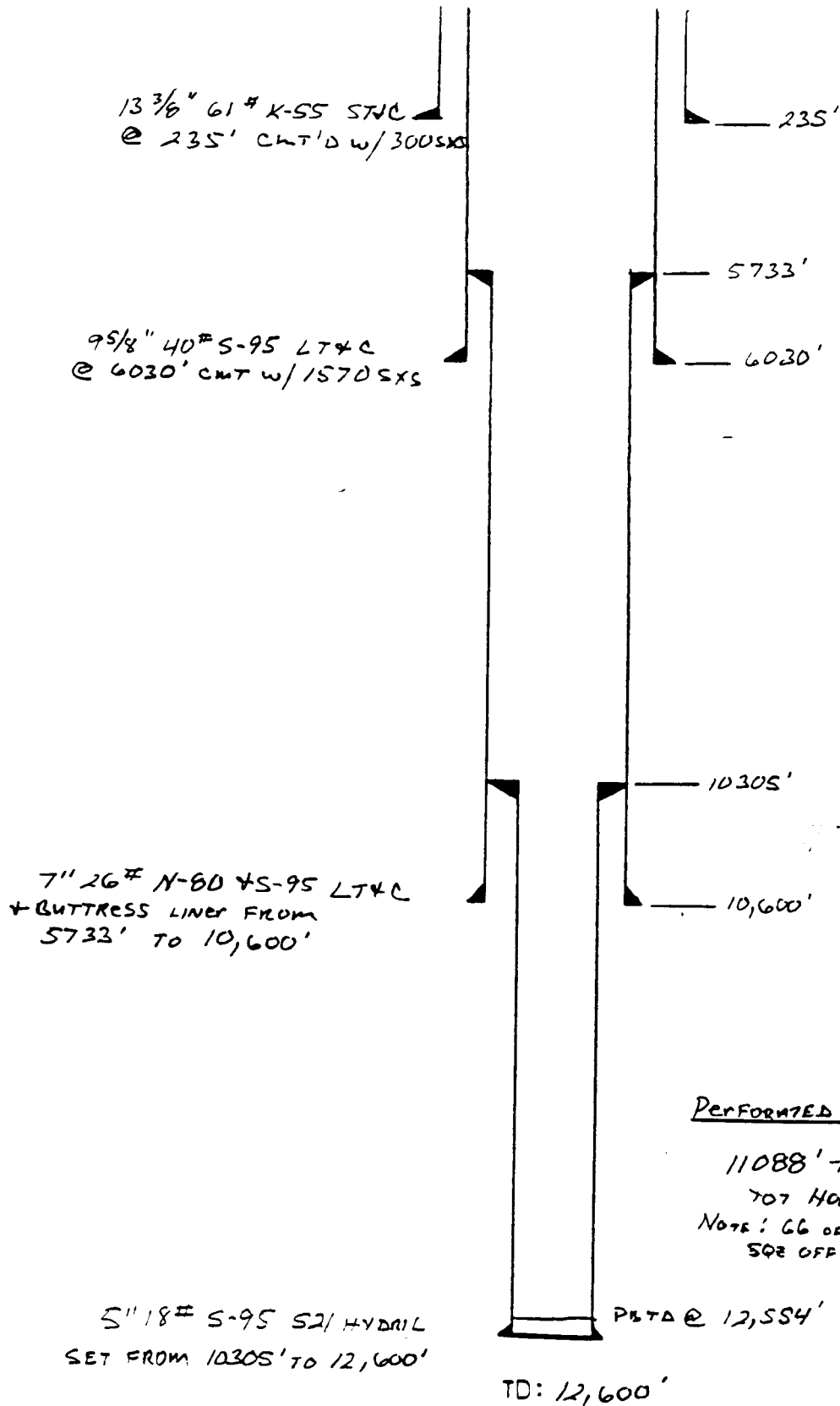
RJR
 R. La Rocque
 2/12/92

PRESENT WELLBORE SCHEMA

Brotherson #3-23B4

S.C. Frutch

2/13/92



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.

Fee

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

CA #9674

8. Well Name and No.

Brotherson #3-23B4

9. API Well No.

43-013-31289

10. Field and Pool, or Exploratory Area

Altamont

11. County or Parish, State

Duchesne County, Utah

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

ANR Production Company

3. Address and Telephone No.

P. O. Box 749 Denver, CO 80201-0749 (303) 573-4476

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1177' FSL & 1112' FWL (SW/SW)
Section 23, T2S-R4W

CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Perf & Acidize

☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Please see the attached chronological history for the perf and acid procedure performed on the above referenced well.

RECEIVED
MAY 11 1992
BUREAU OF LAND MANAGEMENT
COURTNEY

14. I hereby certify that the foregoing is true and correct.
Signed Eileen Danni Day Title Regulatory Analyst Date 5/6/92
(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any: _____

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

THE COASTAL CORPORATION
PRODUCTION REPORT

CHRONOLOGICAL HISTORY

PAGE 15

BROTHERSON #3-23B4 (PERF & ACIDIZE)
ALTAMONT FIELD, UTAH
DUCHESNE COUNTY, UTAH
WI: 78,453125% ANR AFE: 63940
TD: 12,500' PBD: 12,554'
5" LINER @ 10,305'-12,600'
PERFS: 8,884'-12,529'
CWC(M\$): 115.6

4/7-8/92 POOH w/rod pump BHA. MIRU. POOH w/rods and pump. ND WH, NU BOP's.
Rel TAC.
DC: \$4,293 TC: \$4,293

4/9/92 CO 5" liner. POOH w/rod pump BHA. RIH w/4-1/8" mill & CO tools.
DC: \$3,081 TC: \$7,374

4/10/92 Prep to perforate. Tag fill @ 12,545'. CO 5" liner to 12,550'.
Unable to make more hole. POOH w/tools.
DC: \$4,876 TC: \$12,250

4/13/92 Prep to RIH w/3-1/2" tbg & pkr. Perf Upper Wasatch & Lower Green
River from 8884' to 11,079', 3 SPF, 116 feet, 348 total holes. IFL
@ 4300', FFL @ 1300'. PU & RIH w/5" RBP w/ball catcher. Set RBP @
11,083' on 2-7/8" tbg. POOH.
DC: \$24,122 TC: \$36,372

4/14/92 Prep to acidize. RIH w/7" 10K pkr. Set pkr @ 8832'. Test csg to
2000 psi, held.
DC: \$5,711 TC: \$42,083

4/15/92 Prep to release pkr. Acidized Upper Wasatch & Lower Green River
perfs from 8,884'-11,079' w/10,500 gals 15% HCl, additives & 500 -
1.1 SG ball sealers. MTP 8570#, MTR 37 BPM, ATP 8500#, ATR 35.2 BPM.
ISIP 1330#, 5 min 580#, 10 min 190#, 15 min 40#. TLTR 577 bbls.
Fair diversion. Made 5 swab trips, IFL @ 1500', FFL @ 1200'. Well
started to flow. Flowed & swabbed 205 BF, 45% oil. Flowed overnight
on 64/64" chk, FTP 70#, 66 BO, 129 BW, 73 MCF/14 hrs.
DC: \$35,444 TC: \$77,527

4/16/92 Rls 7" pkr & POOH w/3-1/2" tbg.
DC: \$4,364 TC: \$81,891

4/16/92 Flwd 14 BO, 23 BW, 10 MCF/2 hrs, FTP 50# on 64/64" chk.

4/17/92 Flwd 104 BO, 21 BW, 42 MCF/2 hrs, FTP 100# on 64/64" chk, rec'd 90
bbls from frac tank.

4/17-18/92 On production. RIH w/retrieving head. Rls BP @ 11,083', POOH.
RIH w/prod equip. Set TAC @ 8836', SN @ 8706'. RIH w/1-3/4" pump &
86 rod design.
DC: \$15,255 TC: \$97,146

4/18/92 Pmpd 80 BO, 146 BW, 41 MCF/10 hrs.

4/19/92 Pmpd 12 BO, 552 BW, 98 MCF.

4/20/92 Pmpd 44 BO, 498 BW, 98 MCF.
DC: \$5,432 TC: \$102,578

4/21/92 Pmpd 283 BO, 552 BW, 131 MCF.

4/22/92 Pmpd 130 BO, 495 BW, 222 MCF.

4/23/92 Pmpd 139 BO, 550 BW, 166 MCF.

Prior prod: 32 BO, 130 BW, 191 MCF. Final report.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
COASTAL OIL & GAS CORP.
DENVER

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993
Lease Designation and Serial No.

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other
2. Name of Operator
ANR Production Company
Address and Telephone No.
P. O. Box 749 Denver, CO 80201-0749 (303) 573-4476
3. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1177' FSL & 1112' FWL (SW/SW)
Section 23, T2S-R4W

Fee
If Indian, Annotee or Tribe Name
N/A
If Unit or CA, Agreement Designation
CA #9674
8. Well Name and No.
Brotherson #3-23B4
9. API Well No.
43-013-31289
10. Field and Pool, or Exploratory Area
Altamont
11. County or Parish, State
Duchesne County, Utah

CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Perf & Acidize

☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

3. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Please see the attached chronological history for the perf and acid procedure performed on the above referenced well.

RECEIVED

AUG 31 1992

DIVISION OF
OIL, GAS & MINING

4. I hereby certify that the foregoing is true and correct.

Signed Eileen Hanna Day Title Regulatory Analyst

Date 5/6/92

(This space for Federal or State office use)

Reviewed by **NOTED**
Comments of approval, if any.

Title _____ Date MAY 22 1992

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*See instruction on Reverse Side

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PRODUCTION REPORT

CHRONOLOGICAL HISTORY

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ALTAMONT FIELD, UTAH
DUCHESNE COUNTY, UTAH
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4/23/92 Pmpd 139 BO, 550 BW, 166 MCF.

Prior prod: 32 BO, 130 BW, 191 MCF. Final report.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

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Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

RECEIVED

AUG 31 1992

DIVISION OF

(803) 573-4476

5. Lease Designation and Serial No.

Fee

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

CA #9674

8. Well Name and No.

Brotherson #3-23B4

9. API Well No.

43-013-31289

10. Field and Pool, or Exploratory Area

Altamont

11. County or Parish, State

Duchesne County, Utah

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TYPE OF SUBMISSION

TYPE OF ACTION

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

☐ Abandonment

☒ Recompletion Revised

☐ Plugging Back

☐ Casing Repair

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(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Please see the attached procedure to perforate and acidize the Lower Green River formation and then commingle this production with the presently producing Wasatch interval.

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINES
DATE: 3-17-92
BY: J. H. Matthews

MAR 16 1992

DIVISION OF
OIL, GAS, AND MINES

14. I hereby certify that the foregoing is true and correct.

Signed

Title

Regulatory Analyst

Date

3/12/92

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See instruction on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

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Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
ANR Production Company

3. Address and Telephone No.
P. O. Box 749 Denver, CO 80201-0749 (303) 573-4476

4. Location of Well (Footage, Sec., T., R., M., or Survey Description):
1177' FSL & 1112' FWL
Section 23, T2S-R4W

N/A

7. If Unit or CA, Agreement Designation

CA #9674

8. Well Name and No.

Brotherson #3-23B4

9. API Well No.

43-013-31289

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Duchesne County, Utah

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RECEIVED

AUG 31 1992

DIVISION OF
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct.

Signed [Signature] Title Regulatory Analyst

Date 3/12/92

(This space for Federal or State office use)

NOTED
Reviewed by
ditions of approval, if any:

Title

Date

MAR 19 1992

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*See Instruction on Reverse Side

RECOMPLETION PROCEDURE

Brotherson #3-23B4
Section 23, T2S, R4W
Altamont Field
Duchesne County, Utah

WELL DATA

Location: 1177' FSL, 1112' FWL
Elevation: 6341' GL, 6363' KB
TD: 12,600'
PBD: 12,550'
Casing: 13-3/8" 61# K-55, ST&C @ 235', cmt w/300 sxs
9-5/8" 40# S-95, LT&C @ 6030', cmt w/1570 sxs
7" 26# N-80 & S-95, LT&C and Buttress liner from 5733' to 10,600',
cmt w/1100 sxs
Tubing: 5" 18# S-95, 521 Hydril set from 10,305' to 12,600', cmt w/240 sxs
2-7/8" 6.5# N-80 EUE 8rd tbg @ 10,095'
2-7/8" 6.5# N-80 IJ NuLok from 10,095' to 10,867'
TAC @ 11,030'; SN @ 10,895'

TUBULAR DATA

<u>Description</u>	<u>ID</u>	<u>Drift</u>	<u>Capacity</u>	<u>Burst</u>	<u>Collapse</u>
			(B/F)	(psi)	(psi)
" 26# N-80	6.276"	6.151"	.0382	7240	5410
7" 26# S-95	6.276"	6.151"	.0382	8600	7800
5" 18# S-95	4.276"	4.151"	.0177	12040	11880
2-7/8" 6.5# N-80	2.441"	2.347"	.00579	10570	11160

PERFORATIONS: 11,088' to 12,529', 3 SPF, 453 tot holes.

NOTE: 66 of these perfs from 11,935' to 12,094' were squeezed off.

WELL HISTORY

January 1991: Initial completion. Perf Wasatch from 11,088' to 12,519', 3 SPF, 294 tot holes. Acidize w/12,000 gals 15% HCl. Flowed 1340 BOPD, 2263 MCFPD, 332 BWP, FTP 200 psi, 32/64" choke.

February 1991: Install artificial lift (beam pump)
Prod Before Install: 59 BOPD, 44 BWP, 126 MCFPD, FTP 50 PSI, 20/64" chk.
Prod After Install: 260 BOPD, 493 BWP, 262 MCFPD

July 1991: Sqz wtr producing perforations from 11,935' to 12,094', 66 tot holes w/325 sxs cmt.
Prod Prior to Sqz: 80 BOPD, 500 BWP, 233 MCFPD
Prod After Sqz: 87 BOPD, 343 BWP, 204 MCFPD

November 1991: Add perfs from 11,115' to 12,529', 3 SPF, 159 total holes. Acidize perfs from 12,129' to 12,529' w/6000 gals 15% HCl. Acidize perfs from 11,088' to 11,896' w/9000 gals 15% HCl.
Prod Prior to Workover: 35 BOPD, 90 BWP, 252 MCFPD
Prod After Workover: 114 BOPD, 316 BWP, 646 MCFPD

PRESENT PRODUCTION: As of 2/11/92 - 41 BOPD, 193 BWPB, 196 MCFPD

PROCEDURE

1. MIRU service rig. ND WH, NU BOPE. POOH w/rods. Release TAC and POOH w/tbg.
2. PU and RIH w/4-1/8" mill and CO tools. CO 5" liner to PBTD @ 12,550'. POOH.
3. RU wireline service company. PU and RIH w/3-1/8" csg gun, 3 SPF, 120° phasing and perforate the Upper Wasatch from 10,338' to 11,079', 3 SPF, 51 settings, 153 total holes per the attached schedule. PU and RIH w/4" csg gun, 3 SPF, 120° phasing, and perforate Upper Wasatch and Lower Green River from 8884' to 10,271', 65 settings, 195 total holes per the attached schedule.
4. PU and RIH w/5" RBP w/ball catcher on 2-7/8" 8rd tbg and set @ ±11,083'. POOH. PU & RIH w/7" HD pkr on 3 1/2" 9.3# N-80 tbg. Set pkr @ ±8830'.--
5. Acidize Upper Wasatch and Lower Green River perforations from 8884' to 11,079', 348 total holes w/10,500 gals 15% HCl w/add and 500 - 1.1 BS's. Max treating pressure 8500 psi.
NOTE: This acid job should be designed to include the following:
 - A. All fluid to be heated to 150°F.
 - B. All water to contain 3% KCl.
 - C. Precede acid w/150 bbls KCl wtr w/10 gals per 1000 gals scale inhibitor and 100 1.1 BS's evenly spaced in wtr.
 - D. Acidize in one stage of 10,500 gals w/400 1.1 BS's evenly spaced.
 - E. Xylene is not required for this job.
6. Swab/flow back acid load.
7. If necessary kill well w/3% KCl wtr. Release pkr and POOH. PU and RIH w/retrieving head. Release bridge plug @ ±11,083'. POOH.
8. RIH w/production equipment. Consult w/Denver office for rod design.

SCP:cam

Greater Altamont Field
 ANR - Brotherson #3-23B4
 SW/4 Section 23, T2S-R4W
 Duchesne County, Utah

Perforation Schedule

Depth Reference: Atlas DIFL-GR Run 1, 2 (12/21/90, 1/10/91)

11079	10869	10678	10407	9962	9502	9293	9015
11073	10862	10673	10402	9957	9490	9285	8990
11005	10849	10658	10388	9906	9483	9246	8962
10970	10829	10652	10387	9885	9472	9230	8951
10965	10819	10646	10351	9879	9465	9216	8939
10950	10807	10636	10338	9824	9450	9212	8931
10947	10801	10633	10271	9790	9436	9184	8925
10936	10790	10618	10264	9784	9428	9152	8912
10922	10783	10566	10256	9779	9390	9121	8908
10911	10777	10553	10252	9767	9386	9103	8894
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10887	10707	10511	10992	9528	9354	9058	
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Gross Lower Green River - Wasatch Interval 8,884'-11,074' 116 feet, 75 zones

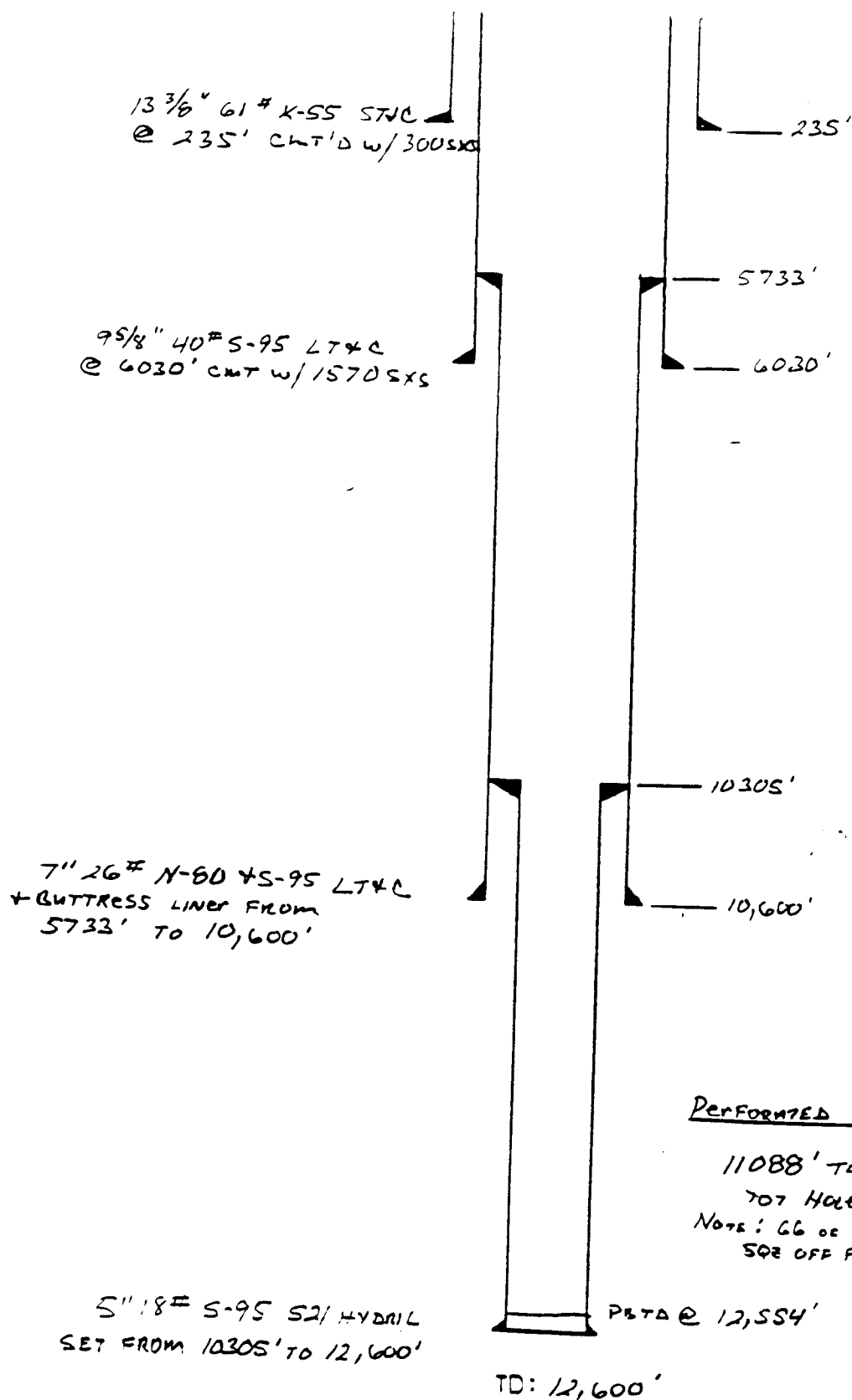
RJR
 R. La Rocque
 2/12/92

PRESENT WELLBORE SCHEMATIC

Brotherson #3-23B4

S.C. Frutch

2/13/92



STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

<p align="center">SUNDRY NOTICES AND REPORTS ON WELLS</p> <p>Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.</p>		5. Lease Designation and Serial Number: Fee
		6. If Indian, Allottee or Tribe Name: N/A
		7. Unit Agreement Name: CA #9674
1. Type of Well: OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER:		8. Well Name and Number: Brotherson #3-23B4
2. Name of Operator: ANR Production Company		9. API Well Number: 43-013-31289
3. Address and Telephone Number: P.O. Box 749, Denver, CO 80201-0749 (303) 573-4476		10. Field and Pool, or Wildcat: Altamont
4. Location of Well Footages: 1177' FSL & 1112' FWL (SW/SW) QQ, Sec., T., R., M.: Section 23, T2S-R4W		County: Duchesne State: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)	SUBSEQUENT REPORT (Submit Original Form Only)
<input type="checkbox"/> Abandonment <input type="checkbox"/> Casing Repair <input type="checkbox"/> Change of Plans <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Multiple Completion <input type="checkbox"/> Other _____	<input type="checkbox"/> Abandonment * <input type="checkbox"/> Casing Repair <input type="checkbox"/> Change of Plans <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Other _____
<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input checked="" type="checkbox"/> Recompletion <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Vent or Flare <input checked="" type="checkbox"/> Water Shut-Off	<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off
Approximate date work will start <u>3/10/94</u>	Date of work completion _____ Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form. * Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Please see the attached workover procedure to shut off water production and recomplete in the Upper Green River in the subject well.

RECEIVED

5 14 1994

DIVISION OF
OIL GAS & MINING

13. Name & Signature: Joe Adamski Title: Environmental Coordinator Date: 2/10/94

(This space for State use only)

UPPER GREEN RIVER
WORKOVER PROCEDURE

Brotherson #3-23B4

Section 23-T2S-R4W
Altamont Field
Duchesne County, Utah

WELL DATA

LOCATION: 1,177' FSL and 1,112' FWL

ELEVATION: 6,341' GL; 6,363' KB

TOTAL DEPTH: 12,600' PBTD: 12,550'

CASING: 13 $\frac{3}{8}$ ", 61#, K-55 ST&C @ 235' cmt w/300 sxs
9 $\frac{5}{8}$ ", 40#, S-95 LT&C @ 6,030' cmt w/1570 sxs
7", 26#, N-80 & S-95, LT&C and Buttress liner from 5733'
to 10,600' cmt w/1100 sxs
5", 18#, S-95, 521 Hydril set from 10,305' to 12,600',
cmt w/240 sxs

TUBING: 2 $\frac{7}{8}$ " 6.5# N-80 EUE 8rd tbg @ 10,095'
2 $\frac{7}{8}$ " 6.5# N-80 IJ NuLok from 10,095' to 10,867'
TAC @ 11,030'; SN @ 10,895'

TUBULAR DATA

Description	ID	Drift	Capacity B/F	Burst Psi	Collapse Psi
7" 26# N-80	6.276"	6.151"	.0382	7240	5410
7" 26# S-95	6.276"	6.151"	.0382	8600	7800
5" 18# S-95	4.276"	4.151"	.0177	12040	11880
2 $\frac{7}{8}$ " 36# 6.5# N-80	2.441"	2.347"	.00579	10570	11160

PERFORATIONS

8884' to 12,529', 3 SPF, 801 total holes.
NOTE: 66 of these perfs from 11,935' to 12,094' were sqz'd off.

WELL HISTORY

01/91 Initial Completion. Perf Wasatch from 11,088' to 12,519', 3 SPF, 294 total holes. Acidize w/12,00 gals 15% HCl. Flwd 1340 BOPD, 2263 MCFPD, 332 BWP, FTP 200 psi, 32/64" chk.

02/91 Install artificial lift (beam pump)
Prior Production: 59 BOPD, 44 BWP, 126 MCFPD
FTP 50 PSI, 20/64" chk
Post Production: 260 BOPD, 493 BWP, 262 MCFPD

07/91 Sqz wtr producing perforations from 11,935' to 12,094', 66 total holes w/325 sxs cmt.
Prior Production: 80 BOPD, 500 BWP, 233 MCFPD
Post Production: 87 BOPD, 343 BWP, 204 MCFPD

11/91 Add perfs from 11,115' to 12,529', 3 SPF, 159 total holes. Acidize perfs from 12,129' to 12,529' w/6000 gals 15% HCl. Acidize perfs from 11,088' to 11,896' w/9000 gals 15% HCl.
Prior Production: 35 BOPD, 90 BWP, 252 MCFPD
Post Production: 114 BOPD, 316 BWP, 646 MCFPD

04/92 CO to 12,550'. Perforate Upper Wasatch and Lower Green River formations from 8884' to 11,079', 3 SPF, 348 total holes. Isolate and acidize new perforations w/10,500 gals 15% HCl w/additives and 500 1.1 sq BS's. Comingle all production.

Prior Production: 32 BOPD, 130 BWPD, 191 MCFPD

Post Production: 139 BOPD, 550 BWPD, 166 MCFPD

09/93 Run sidestring and production logs.

PRESENT STATUS:

Producing on pump averaging 33 BOPD, 146 MCFPD and 418 BWPD.

PROCEDURE:

- 1) MIRU service rig. Rls pump and LD rods. NU BOPE. Rls TAC and stand back tbg.
- 2) PU & RIH w/6 1/8" bit and 7" csg scraper. CO 7" csg to liner top @ 10,305'.
- 3) RU Wireline Service Company. RIH w/EZ drill bridge plug and set @ ±8978'.
- 4) PU & RIH w/7" pkr and tag bridge plug. Set pkr and press tst plug to 2000 psi. Rls pkr, pull up and reset @ ±8650'. Establish injection rate across perforations from 8884' to 8962', 27 total holes. Press tst backside to 1500 psi.
- 5) Sqz off perforations from 8884' to 8962' with 150 sxs. Over displace 10 bbls and resqueeze after WOC 4 hrs if running sqz is not attained. Reverse tbg clean. *Note: Cement volume may be altered as determined by injection rate. Consult with service company for slurry additives and discuss recommendation w/Denver Engineering.*
- 6) Pull up to 8400' and fill hole w/filtered formation water w/3% KCl by reversing out. Swab fluid down to ±3500'. POOH w/tbg & pkr.
- 7) RU Wireline Service Company. Run Cement Bond Log from ±5700' to PBTD. PU & RIH w/4" csg gun w/120° phasing, 3 SPF. Perforate the Upper Green River formation from 8229' to 8328', 15 settings, 45 total holes per the attached perforation schedule. Note and record pressure changes.
- 8) PU & RIH w/a Mountain States Arrow-Pak retrievable 7" X 3 1/4" seal bore pkr w/pump out plug on wireline and set @ ±8200'.
- 9) PU pkr stinger and hydrotest 2 7/8" production string to 8500 psi while RIH. Sting into pkr. ND BOPE. Land tbg and NU wellhead.
- 10) Pressurize tbg to exceed SITP and knock out plug. Flow well to battery. If well does not flow, swab tbg down and determine inflow rate. *(Note: If well flows strongly, allow it to clean up at least 10 days then run btm hole pressure BOMB and perform buildup test. If it does not flow procede to step #10.)*
- 11) If the well does not flow or when the FTP drops to 100 psi, acid stimulate perforated interval w/2000 gals 15% HCl w/60 1.1sg BS's evenly spaced and 1/4#/gal Benzoic acid flakes. MTP: 8500 psi.
 - A. Precede acid w/25 bbls wtr w/10 gals/1000 gals scale inhibitor w/1/4#/gal Benzoic acid flakes.
 - B. All wtr to contain 3% KCl.
 - C. All fluids to be pumped at 150°F.
- 12) Flow/swab back acid load. If the well did not flow after perforating, drop BHP BOMB after stimulation and subsequent clean up, then perform buildup test. If the well flowed back strongly, produce to battery and proceed to step #12 when it dies. Collect oil sample for PVT analysis.
- 13) If well does not flow, determine inflow rate and oil cut. ND wellhead. NU BOPE. If necessary kill well w/3% KCl wtr. Rls from pkr and POOH w/tbg. PU & RIH w/Arrow-Pak retrieving tool. Rls pkr & POOH.

- 14) PU & RIH w/wireline set 7" RBP. Set RBP @ $\pm 8000'$. Dump 2 sxs of sand on RBP.
- 15) PU & RIH w/4" csg gun w/120° phasing, 3 SPF. Perforate the Upper Green River formation from 7226' to 7471', 16 setting, 48 total holes per the attached perforation schedule.
- 16) Repeat steps 6 through 12, except set pkr @ $\pm 7200'$.
- 17) If well does not flow or when it dies, ND wellhead & NU BOPE. If necessary kill well w/3% KCl wtr. Rls from pkr and POOH w/btg. Pu & RIH w/Arrow-Pak retrieving tool. Rls pkr & POOH.
- 18) PU & RIH w/7" retrieving head. Reverse sand and ball sealers off RBP @ $\pm 8000'$. Rls plug and POOH.
- 19) PU & RIH w/6 $\frac{1}{8}$ " mill & CO tools. CO 7" csg to TOC @ $\pm 8770'$. POOH.
- 20) PU & RIH w/Mountain States Oil Tools, 7# 26# B-2 TAC, 2 $\frac{7}{8}$ " solid plug, 1 perforate joint of 2 $\frac{7}{8}$ " N-80 tbg, PSN and $\pm 8375'$ 2 $\frac{7}{8}$ " tbg. Set TAC @ $\pm 8410'$ and SN @ $\pm 8375'$.
- 21) RIH w/pump (consult with Denver office for pump size), 200' 1" rod w/G, 2750 - $\frac{3}{4}$ ", 2750 - $\frac{7}{8}$ " and 2675' - 1". Return well to production and evaluate Upper Green River.

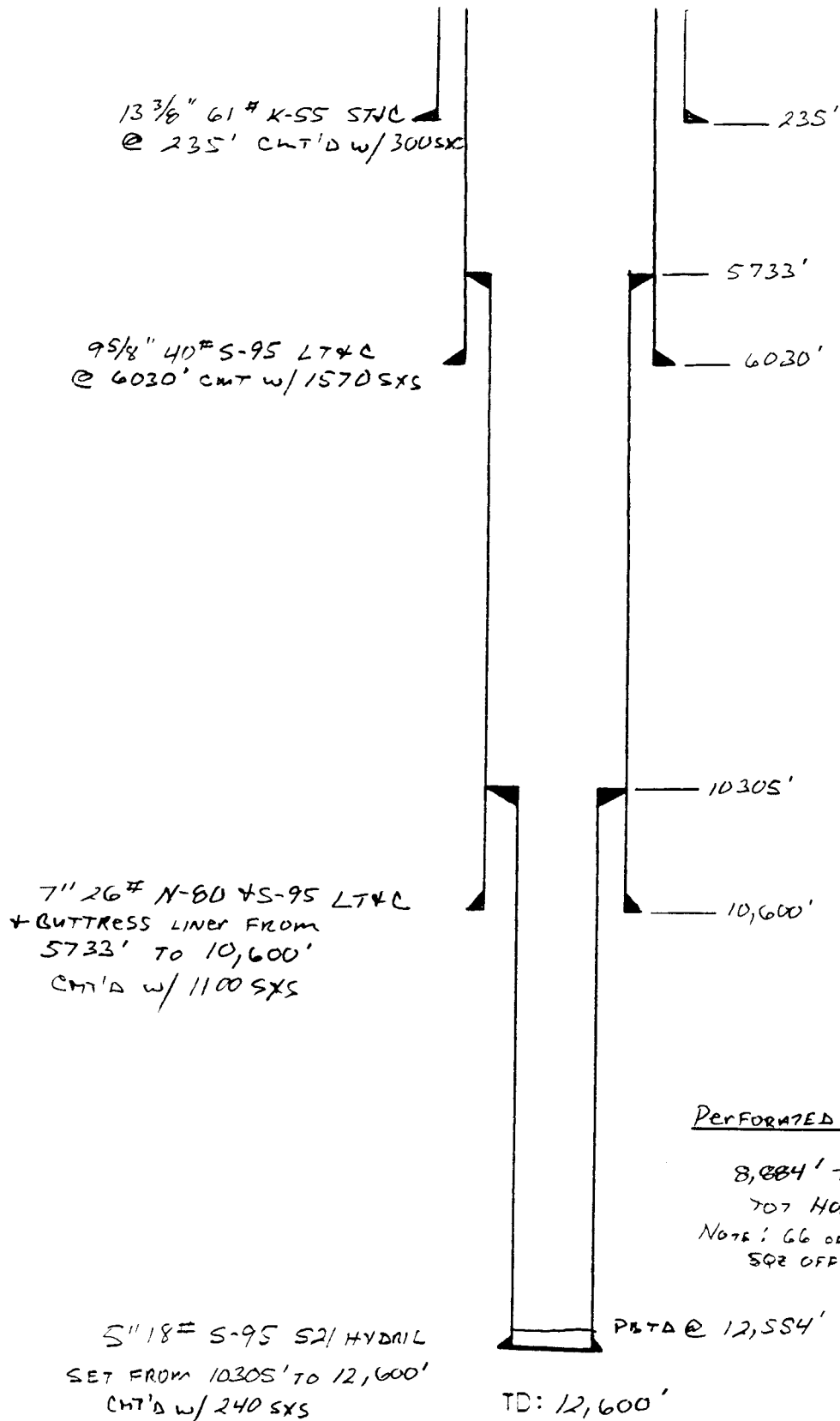
SCP:rrd

PRESENT WELLBORE SCHEMATIC

Brotherson #3-23B4

S.C. Frutch

1/7/94



GREATER ALTAMONT FIELD
ANR-BROTHERSON #3-23B4
SW/4 SEC. 23-T2S-R4W
DUCHESNE COUNTY, UTAH

PERFORATION SCHEDULE

DEPTH REFERENCE: Atlas - Dual Induction Log, Run #1 (12/21/90)

PHASE I

8,328'	8,294'	8,269'
8,327'	8,288'	8,245'
8,316'	8,287'	8,237'
8,310'	8,283'	8,233'
8,303'	8,275'	8,229'

PHASE II

7,471'	7,270'	7,239'
7,466'	7,266'	7,236'
7,462'	7,259'	7,230'
7,457'	7,255'	7,226'
7,452'	7,251'	
7,275'	7,247'	

Gross Upper Green River Interval: 7,226-8,328', 31 feet, 20 zones

R. J. LaRocque
December 28, 1993

RJL:mar

**PRODUCTION
LOGGING
PLS SERVICES, INC.**
P.O. BOX 1043 / RANGELY, COLORADO 81648

Date 9-23-93 Attention _____
 Company ANR Production
 Well No. Brotherson 3-23B4
 Type Survey Fluid Entry
 Logger B Williams

WELL DATA

Rate 24 oil 460 water 106 net @ rod pump PSI
 Rate _____ B/D @ _____ PSI
 Pickup 12512 Desired Rate _____ B/D
 Surface Temp _____ °F BHT _____ °F

	DEPTH	oil	water
found entries at	<u>8882-8929</u>		<u>88%</u>
	<u>8988-9088</u>	<u>possible small oil</u>	
	<u>9082-9119</u>		<u>12%</u>
(at times this entry produces some to surface but mostly down to thief at 11546-11574)			
	<u>11268-11290</u>	<u>100%</u>	
	<u>11546-11574</u>		<u>thief taking water from above</u>

Remarks: _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135

Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT" - for such proposals

5. Lease Designation and Serial No.

Fee

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

CA #9674

8. Well Name and No.

Brotherson #3-23B4

9. API Well No.

43-013-31289

10. Field and Pool, Or Exploratory Area

Altamont

11. County or Parish, State

Duchesne County, Utah

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

ANR Production Company

3. Address and Telephone No.

P. O. Box 749, Denver, CO 80201-0749

(303) 573-4476

4. Location of Well (Footage, Sec., T., R., M., Or Survey Description)

1177' FSL & 1112' FWL (SW/SW)

Section 23-T2S-R4W

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☐ Notice of Intent

☐ Abandonment

☐ Change of Plans

☒ Subsequent Report

☐ Recompletion

☐ New Construction

☐ Final Abandonment Notice

☐ Plugging Back

☐ Non-Routine Fracturing

☐ Casing Repair

☐ Water Shut-Off

☐ Altering Casing

☐ Conversion to Injection

☒ Other Tite Hole Request

☐ Dispose Water

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markets and zones pertinent to this work.)*

Operator requests all information concerning this well be tite holed.

442 ?

14. I hereby certify that the foregoing is true and correct

Signed

Joe Adamski

Title Environmental Coordinator

Date

02/28/94

(This space for Federal or State office use)

APPROVED BY

Title

Date

Conditions of approval, if any

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT" - for such proposals

5. Lease Designation and Serial No.

Fee

6. If Indian, Alottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

CA #9674

8. Well Name and No.

Brotherson #3-23B4

9. API Well No.

43-013-31289

10. Field and Pool, Or Exploratory Area

Altamont

11. County or Parish, State

Duchesne County, UT

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

ANR Production Company

3. Address and Telephone No.

P. O. Box 749, Denver, CO 80201-0749

(303) 573-4476

4. Location of Well (Footage, Sec., T., R., M., Or Survey Description)

1177' FSL & 1112' FWL (SW/SW)

Section 23, T2S-R4W

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment
☒ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Run Heat String, BHP
Svy & Prod Log

☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☒ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markets and zones pertinent to this work.)*

Please see the attached chronological history for the workover performed to squeeze off water, recomplete the Upper Green River, run a heat string, run a BHP survey and run a Production Log, in the subject well.

The well is currently shut-in, waiting on a subsequent workover to shut-off water in the Upper Green River.

14. I hereby certify that the foregoing is true and correct

Ned O. Shiflett

Signed N. O. Shiflett

Title District Drilling Manager

Date 6/23/94

(This space for Federal or State office use)

APPROVED BY

Title

Date

Conditions of approval, if any:

tax credit
7/20/94

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

THE COASTAL CORPORATION
PRODUCTION REPORT

CHRONOLOGICAL HISTORY

BROTHERSON #3-23B4 (RUN BHP SURVEY & RETRIEVE SIDESTRING)
ALTAMONT FIELD
DUCHESNE COUNTY, UT
WI: 78.453125% ANR AFE: 00189

PAGE 23

- 5/24/94 Swab testing.
Open up well - no tbq/csg pressure. RU to swab perfs 7452'-7471'.
Made 15 swab runs. IFL 1300'. 6 bbls. tr oil. Swab to SN @ 7330'.
41 bbls. Run #'s 7-15. 2 swab runs/hr. FL @ 6800'-6900'. 6-8 BPH. 4
hrs. tr oil on each run. Rec 72 bbls total/6 hrs. CC: \$43,145
- 5/25/94 Operations suspended.
Open well up - tbq dead. RU to swab. Made 4 swab runs. IFL 1000'.
tr oil. Swab down to 7300'. Total 39 bbls swabbed. SD. RD swab
equip. Fill 2 7/8" tbq w/40 bbls 3% KCl. Inject perfs 7452'-7471'.
w/20 bbls KCl. Rate 2 BPM @ 1400 psi. Rls 7" pkr. LD 10 jts 2 7/8"
out of derrick. Set 7" HD pkr @ 7346'. Land tbq w/15,000#
compression. RD floor. BOP's. Change equip to rods. RIH w/rods.
PU polish rod. Hang rods off. Load out equip. Steam off WH. RD
rig. Clean location. Will prep AFE to squeeze off wtr. Drop from
report. CC: 48.911

THE COASTAL CORPORATION
PRODUCTION REPORT

CHRONOLOGICAL HISTORY

BROTHERSON #3-23B4 (RUN BHP SURVEY & RETRIEVE SIDESTRING)
ALTAMONT FIELD
DUCHESNE COUNTY, UT
WI: 78.453125% ANR AFE: 00189

PAGE 22

- 5/9/94 Pmpd 41 BO, 185 BW, 49 MCF.
Ran Dyno - well pumped off, SN @ 7075'.
- 5/10/94 Pmpd 27 BO, 141 BW, 46 MCF, 10 SPM.
- 5/11/94 Pmpd 26 BO, 172 BW, 54 MCF.
Will treat perfs with xylene/diesel treatment to cleanup possible asphaltine plugging, on Friday, 5/13/94.
- 5/12/94 Pmpd 30 BO, 174 BW, 37 MCF.
Plan to pump xylene/diesel treatment today.
- 5/13/94 Pmpd 28 BO, 176 BW, 45 MCF.
- 5/14/94 Pmpd 22 BO, 169 BW, 38 MCF.
- 5/15/94 Pmpd 21 BO, 158 BW, 38 MCF.
Plan to MI rig to isolate perfs & pump xylene treatment.
- 5/16/94 Install BOP's.
Pmpd 8 BO, 18 BW, 6 MCF, 4 hrs. RU rig. Pull pump off seat. Flush rods. POOH w/88 - 1", 94 - 7/8", 94 - 3/4", 6 - 1" rods. LD pump. CC: \$22,576
- 5/17/94 CO tbg spools.
Jay out of Y-tool. LD 174 jts 2 3/8" DSS-HT, 51 jts 2-1/16" FS-150, & J-slot stinger. Release anchor. POOH w/230 jts 2 7/8", SN, Y-tool, 1-jt 2 7/8", 1-jt 2 7/8" perf'd, 4' sub, 7" anchor. CC: \$25,973
- 5/18/94 Swab testing.
Knock off BOP's, dual tbg spool. Install single string tbg spool. BOP's. RIH w/Mtn States 7" B-2 BP, retr hd, 7" HD pkr, SN, 230 jts 2 7/8". Set BP @ 7344', set pkr @ 7300'. PT to 1500 psi. Rls pkr. POOH to 7118', set pkr w/15,000# compression. Made 9 swab runs, IFL 5000', FFL 6000', 5% oil. Rec 63 BF, 13 BPH. CC: \$15,020
- 5/19/94 Swab testing.
Made 27 runs, IFL 5900', FFL 6300'. Rec 12 BO, 118 BW/9 1/2 hrs, oil cut 12%, 11 BPH feed-in. CC: \$35,369
- 5/20/94 Swab testing perfs @ 7452'-7471'.
Open tbg - on vacuum. RU to swab. Made 21 swab runs, IFL 6100', 4 1/2 bbls, 43% oil. FL continued to drop to 6500' after 11 runs. Run #12-21, FL 6500', 20% oil, 10 BPH. Rec total 87 bbls (17 BO, 70 BW)/21 runs from perfs @ 7226'-7275'. Rls pkr, retrieve BP. RIH, set plug @ 7590'. Pull up, set pkr @ 7338'. Isolate perfs @ 7452'-7471' (15 holes). RU to swab. Made 4 swab runs from perfs @ 7452'-7471'. IFL 3600', FFL 5600'. Rec 32 BW. CC: \$38,362
- 5/21-22/94 SD for weekend.
- 5/23/94 Swab testing.
Check tbg, csg pressure - 0#, slight blow. RU to swab. Made 18 swab runs, IFL 2300'. Rec 9 bbls, tr oil. FL continued to drop to 7100' after 10 runs. Run #'s 11-13, hourly run FL 6200', 6 bbls/run, tr oil. Run #'s 14-18, 2 runs/hour, FL 6700', 2 bbls/run, tr oil. Total 76 BF swabbed. CC: \$41,047

THE COASTAL CORPORATION
PRODUCTION REPORT

CHRONOLOGICAL HISTORY

BROTHERSON #3-23B4 (RUN BHP SURVEY & RETRIEVE SIDESTRING)
ALTAMONT FIELD
DUCHESTER COUNTY, UT

PAGE 21

WI: 78.453125% ANR AFE: 00189
TD: 12.600' PBD: 8000' (RBP)
5" LINER @ 10.305'-12.600'
PERFS: 7226'-7471' (UPPER GREEN RIVER)
CWC(M\$): 55.0

4/11/94 Pmpd 81 BO, 157 BW, 55 MCF.
Ran Production Logs. Had 72% oil from perfs @ 7226-7275'. 28% oil
from perfs @ 7452-7471'. Will run 14-day BHP svy today.

4/12/94 Pmpd 94 BO, 161 BW, 55 MCF.
RU Delsco. Ran two 6000 psi tandem 15-day BHP bombs to center of
perfs. Bombs on btm @ 12:01 p.m., 12/12/94. Will get 2-day FBHP,
then SI for buildup. CC: \$8,000

4/13/94 Pmpd 64 BO, 149 BW, 55 MCF. CC: \$10,000

4/14/94 Pmpd 13 BO, 29 BW, 8 MCF/5 hrs. SI well @ 12:05 p.m., 4/14/94, for
BHP svy. SITP 325# (18 hrs).

4/15-19/94 SI for BHP survey.

4/20/94 SI for BHP survey. SIP 200#.

4/21/94 SI for BHP survey. SIP 250# (7-days).

4/22/94 SI for BHP survey. SIP 300# (8-days).

4/23/94 SIP 300# (9-days).

4/24/94 SIP 315# (10-days).

4/25/94 SIP 325# (11-days).

4/26/94 SIP 330# (12-days). Will pull bombs today.

4/27/94 Well on pump.
Pull BHP bombs (14-day) @ 12:00 p.m., 4/26/94. Place well back on
pump. CC: \$17,000

4/26/94 Pmpd 11 BO, 253 BW, 34 MCF, 17 hrs.

4/27/94 Pmpd 0 BO, 381 BW, 38 MCF.

4/28/94 Pmpd 10 BO, 353 BW, 34 MCF.

4/29/94 Pmpd 60 BO, 288 BW, 39 MCF.

4/30/94 Pmpd 112 BO, 167 BW, 48 MCF.

5/1/94 Pmpd 93 BO, 197 BW, 47 MCF.

5/2/94 Pmpd 65 BO, 149 BW, 47 MCF, 10 SPM.

5/3/94 Pmpd 72 BO, 146 BW, 55 MCF, 10 SPM.

5/4/94 Pmpd 56 BO, 154 BW, 50 MCF, 10 SPM.

5/5/94 Pmpd 30 BO, 147 BW, 49 MCF, 10 SPM. Will run Dyno.

5/6/94 Pmpd 41 BO, 186 BW, 47 MCF.

5/7/94 Pmpd 38 BO, 187 BW, 49 MCF.

5/8/94 Pmpd 35 BO, 140 BW, 49 MCF, 10 SPM.

THE COASTAL CORPORATION
PRODUCTION REPORT

CHRONOLOGICAL HISTORY

BROTHERSON #3-23B4 (SQUEEZE WATER/RECOMPLETE UPPER GREEN RIVER)
ALTAMONT FIELD, UTAH
DUCHESNE COUNTY, UTAH
WI: 78.453125% ANR AFE: 00063

PAGE 20

4/1/94 Well on production.
RIH w/Mtn States J-slot stinger. 51 jts 2-1/16" FS-150. XO. 174 jts 2 3/8" DSS-HT. Space out, remove BOP's. Latch into Y-tool. Land tbgs w/5000# tension on sidestring. Install tbgs flange. Flush 2 3/8" w/25 bbls KCl. RU Deiseco. RIH w/drift past EOT @ 7209'. RIH w/Nat'l 1 1/2" pump. PU 6 - 1", 94 - 3/4", 94 - 7/8", 88 - 1". PT to 500#. Turn well to pumper. CC: \$142.817

4/1/94 Pmpd 63 BO. 179 BW. 26 MCF. 13 hrs.

4/2/94 Pmpd 100 BO. 242 BW. 81 MCF.

4/3/94 Pmpd 85 BO. 188 BW. 82 MCF.

4/4/94 Pmpd 96 BO. 150 BW. 70 MCF. 10 SPM.
RD rig, clean location & load out equip. CC: \$151.017

4/5/94 Pmpd 164 BO. 126 BW. 70 MCF. 10 SPM.

4/6/94 Pmpd 105 BO. 126 BW. 70 MCF. 10 SPM.

4/7/94 Pmpd 136 BO. 130 BW. 80 MCF. 10 SPM.

4/8/94 Pmpd 131 BO. 146 BW. 62 MCF.

4/9/94 Pmpd 107 BO. 182 BW. 63 MCF.

4/10/94 Pmpd 99 BO. 153 BW. 69 MCF. Will run Production Log today. Final report on this AFE #00063.

THE COASTAL CORPORATION
PRODUCTION REPORT

CHRONOLOGICAL HISTORY

BROTHERSON #3-23B4 (SQUEEZE WATER/RECOMPLETE UPPER GREEN RIVER)
ALTAMONT FIELD, UTAH
DUCHESNE COUNTY, UTAH
WI: 78.453125% ANR AFE: 00063

PAGE 19

- 3/21/94 RD. well flwg to treater. Flwd 140 BO, 30 BW, 50 MCF, FTP 100# on 35/64" chk.
Check well. RU Delsco. cut wax to 1500'. very slow, 10-14'/min. POOH. Pulls too hard to cut deeper. RD Delsco. Open well to treater. FTP 200 psi, 35/64" chk. CC: \$106,763
- 3/22/94 RIH w/2 $\frac{3}{8}$ ". Start to RD rig, change of plans. CO cellar. Pump down 2 $\frac{7}{8}$ " tbg w/3% KCl. Pump 15 bbls. pressure to 2000#. Well flwg back. Pump 35 total bbls KCl, well bleeding back slowly. Remove tree, tbg donut. Install TIW. Strip off single string tbg spool, strip on dual string tbg spool, 2 $\frac{7}{8}$ " kicking. Pump 5 bbls KCl down tbg. Pressure dropped, csg kicked - acted funny. Remove TIW. Install hanger, BPV. Hang off 2 $\frac{7}{8}$ " w/10,000# tension. RU spool BOP's. PT csg to 2000 psi, held. Change equip to 2 $\frac{3}{8}$ ". RIH w/20 jts 2 $\frac{3}{8}$ ".
- 3/23/94 Well on production - flwd 0 BO, 0 BW, 33 MCF, FTP 100#, 32/64" chk. 13 hrs (down 11 hrs, treater upset - oil prod went to SW tank). Continue to RIH w/2 $\frac{3}{8}$ " DSS-HT tbg, total 179 jts. Land tbg, EOT @ 5662'. Remove BPV. Install tree. Circ down 2 $\frac{3}{8}$ " out csg, 2 $\frac{1}{2}$ hrs. Open well on 30/64" chk and place on production. RD rig. CC: \$106,763
- 3/24/94 Flwd 31 BO, 0 BW, 56 MCF, FTP 60#, 32/64" chk. Will check tbg for wax today.
- 3/25/94 Flwd 55 BO, 3 BW, 0 MCF, FTP 50#, 32/64" chk.
- 3/26/94 Flow & swab well back.
RU Dowell & acidize Upper Green River perfs @ 7226'-7471' w/4000 gals 7 $\frac{1}{2}$ % HCl w/additives & 75 - 1.1 BS's. MTP 9000#, ATP 8400#. MTR 16.7 BPM, ATR 6 BPM. Balled off several times. ISIP 2350#, 15 min SIP 401#. Had excellent diversion, 226 BLWTR. RD Dowell. Flow & swab 74 BO, 76 BW, FTP 50#, 1" chk. CC: \$120,130
- 3/27/94 Flow & swab 272 BO, 0 BW/24 hrs, FFL 1800'. 100% oil, 10-111 BPH feed-in.
- 3/28/94 MI rig to place on pump.
Swab 144 BO, 0 BW/11 hrs, FFL 2500'. oil cut 100%, feed-in rate 13 BPH.
- 3/29/94 Prep to rls pkr & POOH w/2 $\frac{7}{8}$ " tbg.
MIRU. Pump 25 bbls KCl down tbg, PT to 1800 psi. Bleed off. NU BOPE. POOH w/2 $\frac{3}{8}$ " heat string. Change equip to 2 $\frac{7}{8}$ ". PU on tbg, remove BPV. CC: \$126,385
- 3/30/94 POOH w/2 $\frac{7}{8}$ " tbg.
Tbg on slight vacuum. Pump 20 bbls prod wtr down tbg. Rls out of 7" pkr. POOH w/232 jts 2 $\frac{7}{8}$ ", seal assembly. RIH w/7" pkr retrieving tool. Latch onto pkr. POOH w/tbg & pkr. RIH w/Mtn States 7" B-2 anchor, and Y-tool. Try to set anchor @ 7209' - won't set. Try to RIH, stack out @ 7210'. Try setting 1-jt higher, did not set. Install BOP's. RU floor. PU on 2 $\frac{7}{8}$ ". CC: \$130,738
- 3/31/94 RIH w/sidestring.
POOH w/2 $\frac{7}{8}$ " tbg, had backed off top of 2 $\frac{3}{8}$ " sub, left TAC in hole. RIH w/5 $\frac{3}{4}$ " OS, 3 $\frac{1}{8}$ " grapple and latch onto fish. POOH w/tbg, OS & fish. RIH w/prod: 7" Mtn States B-2 anchor, 4' - 2 $\frac{7}{8}$ " sub, 2 $\frac{7}{8}$ " perf jt, 2 $\frac{7}{8}$ " jt, Y-tool, 4' - 2 $\frac{3}{8}$ " sub, XO, 4' - 2 $\frac{7}{8}$ " sub, SN, 230 jts 2 $\frac{7}{8}$ ". Set anchor @ 7206' w/18,000# tension, EOT @ 7209', SN @ 7128'. top of Y-tool @ 7138'. Install BOP's. CC: \$137,547

THE COASTAL CORPORATION
PRODUCTION REPORT

CHRONOLOGICAL HISTORY

BROTHERSON #3-23B4 (SQUEEZE WATER/RECOMPLETE UPPER GREEN RIVER)
ALTAMONT FIELD, UTAH
DUCHESNE COUNTY, UTAH
WI: 78.453125% ANR AFE: 00063

PAGE 18

3/15/94 RIH w/2 $\frac{7}{8}$ " hydrotesting.
POOH w/2 $\frac{7}{8}$ " tbg, 7" pkr. RU Cutters. Run CBL from 8635' to 5700'.
Perf Upper Green River, 3 SPF.

<u>Run #</u>	<u>Interval</u>	<u>Feet</u>	<u>Holes</u>	<u>FL</u>	<u>PSI</u>
1	8229'-8328'	15	45	3750'	0

No FL or pressure change. RIH w/Arrow Pack, 7" pkr w/pump-out plug.
Set @ 8171'. RU 4-Star to hydrotest. RIH w/seal assembly, XO, SN.
160 jts 2 $\frac{7}{8}$ " hydrotesting to 8500 psi. Pull tools. CC: \$70.820

3/16/94 Acidize well.
Continue to RIH hydrotesting to 8500 psi, total 263 jts. Space out,
add subs. Latch into pkr. Land tbg w/10,000# tension. Install
tree. PT void to 5000 psi. Fill csg w/255 bbls 3% KCl. PT to 2000
psi. Fill tbg w/22 bbls prod wtr. PT to 1500 psi. Pump out plug.
TP 450 psi, bleed off. RU to swab. Made 5 swab runs. Swab down to
SN @ 8170', no inflow. Rec 46 BW. Wait 1-hr. Run #6: FFL 8100',
rec wtr & tr oil. CC: \$76.385

3/17/94 Swab well.
RU Dowell to acidize Upper Green River perfs 8229'-8328'. Pump 2000
gal 15% HCl. 60 - 1.1 BS's. MIR 20 BPM, AIR 13 BPM. MIP 8500#, AIP
7500#. ISIP 1350#, 15 min 840#. Total load 149 bbls. Excellent
diversion. RD Dowell. SITP 450 psi. Flwd 10 bbls KCl, then died.
RU to swab. Made 13 swab runs in 7 hr, rec 96 BF, pH 7, tr oil, FFL
7400', 4 BPH. CC: \$86.753

3/18/94 RIH, latch onto pkr.
SITP 100 psi, bleed off. RU to swab. Made 8 swab runs. IFL 3800',
65% oil, 8 bbls. Run #3-7, swab from SN. Swabbed down. Run #8,
hourly FL 7600', 3 bbls, 95% oil. Total fluid rec 38.5 BF (13.5
BO). RD swab equip. Remove tree, add 4' sub, install BOP's, RU
floor. Pump 35 bbls down 2 $\frac{7}{8}$ " tbg. Rls out of pkr. POOH w/2 $\frac{7}{8}$ "
tbg, seal assembly. RIH w/7" pkr retrieving tool, 214 jts 2 $\frac{7}{8}$ ". CC:
\$91.590

3/19/94 RIH w/2 $\frac{7}{8}$ ".
Well on vacuum. Continue RIH w/2 $\frac{7}{8}$ ". Latch onto 7" pkr, release.
POOH w/2 $\frac{7}{8}$ ", pkr. RU Cutters. RIH w/7" S.E. RBP, set @ 8000'. Spot
2 sx bauxite sand. RU to perf.

<u>Run #</u>	<u>Interval</u>	<u>Feet</u>	<u>Holes</u>	<u>FL</u>	<u>PSI</u>
1	7226'-7471'	16'	48	3300'	0

RIH w/7" Arrow Pack pkr w/knock out plug, set @ 7200'. POOH, RD
Cutters. RIH w/seal assembly, SN, 120 jts 2 $\frac{7}{8}$ ". CC: \$100.459

3/20/94 Flow testing - Flwd 140 BO, 30 BW, 51 MCF, FTP 200# on 35/64" chk,
18 hrs.
Open well up - dead. Continue to RIH w/2 $\frac{7}{8}$ " tbg, seal assembly.
Space out, add subs. Remove BOP's. Latch into pkr. Land w/10,000#
tension. Install tree, PT void to 5000 psi. Fill csg w/148 bbls 3%
KCl w/Cla Sta. PT to 2000 psi. Fill tbg w/12 bbls 3% KCl. RU
Delsco. RIH, PT to 1000 psi. Knock out plug. SITP 1200 psi.
POOH, RD Delsco. Bleed well off. RU to swab. Made 3 swab runs.
Swab back 40 bbls KCl. Well started flwg. Flwd 35 bbls to tank,
95% oil. Turn well to treater, 35/64" chk, FTP 450 psi. CC:
\$104.734

THE COASTAL CORPORATION
PRODUCTION REPORT

CHRONOLOGICAL HISTORY

BROTHERSON #3-23B4 (SQUEEZE WATER/RECOMPLETE UPPER GREEN RIVER)

PAGE 17

ALTAMONT FIELD, UTAH

DUCHESNE COUNTY, UTAH

WI: 78.453125% ANR AFE: 00063

TD: 12,600' PBD: 8000' (RBP)

5" LINER @ 10,305'-12,600'

PERFS: 7226'-7471' (UPPER GREEN RIVER)

CWC(M\$): 143.5

- 3/7/94 POOH w/2 $\frac{7}{8}$ ".
RU rig. LD 100 - 1", 105 - $\frac{7}{8}$ ", 122 - $\frac{3}{4}$ ". 20 - 1" rods & pump. Rls anchor. Install BOP's. CC: \$3,466
- 3/8/94 POOH w/bit & scraper.
POOH w/2 $\frac{7}{8}$ ". LD 4 $\frac{1}{2}$ " PBGA, 1 jt 2 $\frac{7}{8}$ ". 2 $\frac{7}{8}$ " plug, perf jt. 4' sub, 7" anhc. RIH w/6 $\frac{1}{8}$ " bit, 7" scraper, 282 jts 2 $\frac{7}{8}$ ". PU 51 jts 2 $\frac{7}{8}$ ". tag 5" liner @ 10,305'. LD 44 jts 2 $\frac{7}{8}$ ". POOH w/80 jts 2 $\frac{7}{8}$ ". CC: \$6,910
- 3/9/94 Prep to squeeze.
POOH w/remaining 2 $\frac{7}{8}$ ". 7" scraper. RU Cutters, set 7" CIBP @ 8978'. RIH w/7" Mtn States HD pkr, 2 $\frac{7}{8}$ " tbg. PT to 2000 psi, hold 15 min. Rls pkr, re-set pkr @ 8636'. Pump 188 bbls, PT csg to 1500 psi. Inject into perfs 8884'-8962' @ 3.5 BPM, 500 psi. CC: \$14,474
- 3/10/94 Prep to squeeze.
Flwd well back 2 $\frac{1}{2}$ hrs - made 38 bbls, 60% oil. IFL @ 900', made 18 swab runs/6 hrs. FFL 3000', oil slowly tapers off to 100% wtr (100% wtr last 4 hrs). Rec 118 BLW, 17 BPH feed-in. CC: \$29,708
- 3/11/94 Establish injection rate.
Check well - 200 psi, kicking up flowline. Flwd 9 BO, 58 BW, 47 MCF overnight. Open well up, kicked & died. RU to swab. IFL 2600', 10 bbls, 4% oil, lots of gas. Run #2: FL 2500', 10 bbls, 5% oil. Decide to cmt. RD swab equip. RU Halliburton. Cmt perfs 8884'-8962', 27 holes. Fill csg, pressure to 1500 psi. Pump down tbg. Est inj rate 5 BPM, 800 psi. Pump 30 bbls CaCl₂, 5 BFW, 30 bbls Flocheck, 5 BFW, 350 sx Class "H" 16.4 ppg (5 BPM, 900 psi). Slow rate. No pressure. Pump 10 BFW. Try staging. Pump 77 bbls prod wtr, 13 bbls overdisplaced, no pressure. CC: \$33,477
- 3/12/94 Release pkr.
Check tbg pressure - dead. Pump 15 bbls prod wtr down tbg. Catch pressure, inj 2 BPM @ 950 psi. SD. WO orders. RU Halliburton to cmt perfs 8884'-8962'. Pump 10 BFW, 200 sx Class "H" 16.4 ppg cmt, 10 BFW. Displace w/52.75 bbls prod wtr, 0.5 bbl below pkr. Rls pkr, rev out w/75 bbls prod wtr. Pull 6 jts 2 $\frac{7}{8}$ ", set pkr @ 8450'. Pressure to 1000 psi on csg. Pressure to 1000 psi on tbg. Hold. TOC @ 8649'. RD Halliburton. CC: \$51,982
- 3/13/94 SD for Sunday.
- 3/14/94 POOH w/2 $\frac{7}{8}$ ", pkr. Prep to perf Upper Green River.
SITP 450 psi. PT sqz to 2000 psi, hold 15 min - good. Bleed off csg, tbg. Rls pkr. LD 1-jt, EOT @ 8420'. Circ 520 bbls 3% KCl w/Cla Sta. RU to swab. Made 25 swab runs, swab back 240 bbls 3% KCl, FFL 3500'. RD swab equip. LD 8-jts 2 $\frac{7}{8}$ ". POOH w/60 jts 2 $\frac{7}{8}$ ". CC: \$56,753

ENTITY ACTION FORM - FORM 6

ADDRESS _____

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
D	11141	11649	43-013-31289	BROTHERSON 3-23B4	SWSW	23	2S	4W	DUCHESNE		4-10-94
WELL 1 COMMENTS: *RECOMPL FR GR-WS/CAUSE NO. 139-42 TO GRRVU EFF 4-10-94. *GRRVU/ENTITY 11649 ONLY.											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

L. CORDOVA (DOGM)

Signature

ADMIN. ANALYST

7-27-94

Title

Date

Phone No. ()

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135

Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT" - for such proposals

5. Lease Designation and Serial No.

Fee

6. If Indian, Alottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

CA #9674

8. Well Name and No.

Brotherson #3-23B4

9. API Well No.

43-013-31289

10. Field and Pool, Or Exploratory Area

Altamont

11. County or Parish, State

Duchesne County, Utah

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

ANR Production Company

3. Address and Telephone No.

P. O. Box 749, Denver, CO 80201-0749

(303) 573-4476

4. Location of Well (Footage, Sec., T., R., M., Or Survey Description)

1177' FSL & 1112' FWL (SW/SW)

Section 23-T2S-R4W

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☒ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markets and zones pertinent to this work.)*

Please see the attached workover procedure for the subject well.

7/13/94
N.O. Shiflett

14. I hereby certify that the foregoing is true and correct:

Signed

N.O. Shiflett

Title

District Drilling Manager

Date

07/7/94

(This space for Federal or State office use)

APPROVED BY

Title

Date

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

WORKOVER PROCEDURE

BROTHERSON #3-23B4

Section 23-T2S-R4W

Altamont Field

Duchesne County, Utah

WELL DATA

LOCATION: 1.112' FWL and 1.177' FSL

ELEVATION: 6.341' GL: 6.363' KB

TOTAL DEPTH: 12.600' PBD: 7590' (RBP)

CASING: 9-5/8", 40#, S-95 ST&C @ 6.030' cmt'd w/ 1570 sxs
7" Liner, 26#, N-80 LT&C from 5.733' - 7.782' and
S-95 from 7.782' - 10.600' cmt w/ 1100
5", 18#, S-95 521 HYDRIL from 10.305' - 12.600' cmt w/
240 sxs

TUBING: 2-7/8" N-80 tubing w/ packer @ 7.346'

TUBULAR DATA

Description	ID	Drift	Capacity B/F	Burst Psi	Collapse Psi
9-5/8" 40# S-95	8.835"	8.679"	.0758	6820	4230
7" 26# N-80 LT&C	6.276"	6.151"	.0382	7240	5410
7" 26# S-95 LT&C	6.276"	6.151"	.0382	8600	7800
5" 18# S-95	4.276"	4.151"	.0177	12040	11880

WELL HISTORY

01/91 Initial Completion. Perforate from 11.088' to 12.519', 3 SPF, 294 holes. Acidized with 12,000 gals 15% HCL using ball sealers. Flowed 1340 BOPD, 2263 MCFPD, 332 BWPD w/ FTP @ 200 psi on 32/64" choke.

02/91 Install pumping unit.
Prior Production: 59 BOPD, 126 MCFPD, 44 BWPD
Post Production: 260 BOPD, 262 MCFPD, 493 BWPD

07/91 Squeeze off perforations 11.935'-12.094', 66 holes w/ 325 sx cement.
Prior Production: 80 BOPD, 233 MCFPD, 500 BWPD
Post Production: 87 BOPD, 204 MCFPD, 343 BWPD

11/91 Add Wasatch perforations from 11.115'-12.529', 3 SPF, 159 total holes. Acidize new perfs w/ 6000 gals 15% HCL and old perfs w/ 9000 gals 15% HCL.
Prior Production: 35 BOPD, 252 MCFPD, 90 BWPD
Post Production: 114 BOPD, 646 MCFPD, 316 BWPD

04/92 Add Wasatch and LGR perforations from 8884'-11.079', 3 SPF, 348 total holes. Acidize w/10,500 gals 15% HCL.
Prior Production: 34 BOPD, 206 MCFPD, 128 BWPD
Post Production: 93 BOPD, 196 MCFPD, 356 BWPD


03/94 Squeeze off perforations 8884'-8962' w/ 550 sxs. Add UGR perforations 8229'-8328', 3 SPF, 45 total holes. Acidize w/2000 gals 15% HCL. Tested 95% oil. Set RBP at 8000'. Add UGR perforations at 7226'-7471', 3 SPF, 48 holes. Acidize UGR w/ 4000 gals 15% HCL. Perfs 7226'-7275 tested 20% oil. Perfs 7452'-7471' tested a trace of oil. WO workover to shut off water from 7452'-7471'.
Prior Prod: 50 BOPD, 147 MCFPD, 390 BWPD (LGR & Wasatch.)
Post Prod: 21 BOPD, 38 MCFPD, 158 BWPD (UGR)

PRESENT STATUS:

Well shut in, waiting on workover. Last Production: 21 BOPD, 38 MCFPD, 158 BWPD

PROCEDURE:

- 1) MIRU service rig. ND wellhead and NU BOPE. Unseat packer. latch onto RBP at 7590' and POOH w/ tubing, packer, and BP.
- 2) PU and RIH w/ cementing packer. Set packer at 7300'. Establish injection rate into perforations 7452'-7471'. Mix and spot 200 sx cement in tubing. Squeeze perforations to 2500 psi.
- 3) POOH w/ packer. TIH w/ bit and scraper. Drill out cmt to RBP @ 8000'. Circulate out bauxite. TOOH w/ bit.
- 4) TIH w/ tubing. Latch onto RBP at 8000'. TOOH w/ tubing and bridge plug.
- 5) Rerun tubing, rods and pump. Return well to production.

DKD:dkd 

BROTHERSON - 3-23B4
WELL BORE DETAIL

7" LINER

7226'

THESE PERFS SWAB
TESTED 2 BO AND
8 BWPH.

7275'

7452'

THESE PERFS SWAB
TESTED 6 BWPH
WITH TRACE OF
OIL.

7471'

RBP @ 7590'

RBP @ 8000' w/25x. BAUXITE

8229'

THESE PERFS SWAB
TESTED 3 BOPH.

8328'

TOC 8649'

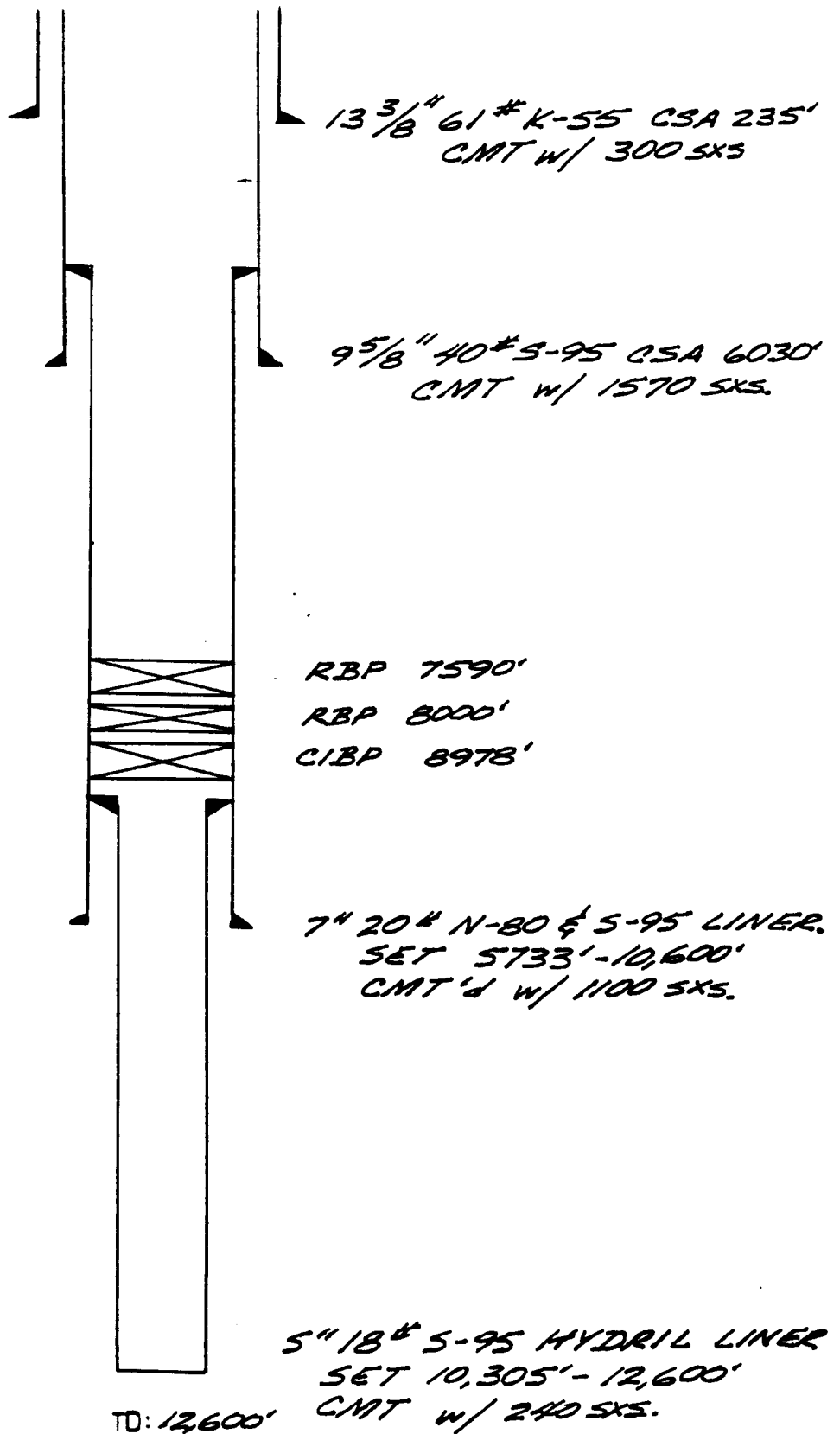
8884'

THESE PERFS
CEMENT SQUEEZED

8962'

CIBP @ 8978'

PRESENT WELLBORE SCHEMATIC
BROTHERSON #3-23B4
SECTION 23, T2S, R4W
DUCHESNE CO., UTAH
GL = 6341'
KB = 6363'



Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

3

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT" - for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	8. Well Name and No. Brotherson #3-23B4
2. Name of Operator ANR Production Company	9. API Well No. 43-013-31289
3. Address and Telephone No. P. O. Box 749, Denver, CO 80201-0749 (303) 573-4476	10. Field and Pool, Or Exploratory Area Altamont
4. Location of Well (Footage, Sec., T., R., M., Or Survey Description) 1177' FSL & 1112' FWL (SW/SW) Section 23-T2S-R4W	11. County or Parish, State Duchesne County, Utah

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input checked="" type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Other	<input type="checkbox"/> Dispose Water

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markets and zones pertinent to this work.)*

Please see attached chronological history for work performed in the subject well.

14. I hereby certify that the foregoing is true and correct

Signed N.O. Shiflett Title District Drilling Manager Date 09/20/94

(This space for Federal or State office use)

APPROVED BY tax credit Title 7/13/95 Date

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

THE COASTAL CORPORATION
PRODUCTION REPORT

CHRONOLOGICAL HISTORY

BROTHERSON #3-23B4 (WATER SHUT-OFF)

PAGE 24

ALTAMONT FIELD

DUCHESNE COUNTY, UT

WI: 78.453125% ANR AFE: 00316

TD: 12,600' PBD: 8500'

7" @ 5,733'-10,600'; 5" @ 10,305'-12,600'

PERFS: 7226-7275', 8229-8338' (UGR)

CWC(M\$): 58.0

7/25/94 MIRU. CC: \$1,056

7/26/94 Finish POOH w/tbg.
RU rig & rod equip. POOH w/rods. ND WH. NU BOP. RD rod equip. RU
tbg equip. Rls'd pkr @ 7349'. RIH. latch onto & rls RBP @ 7590'.
POOH w/51 stds tbg. CC: \$6,246

7/27/94 Prep to cmt sqz perfs @ 7452'-7471'. RU Halliburton.
Finish POOH w/tbg, pkr & RBP. RIH w/MSOT 7" HD pkr. SN & tbg, set
pkr @ 7303'. Filled tbg w/15 BW. Est inj rate of 2 BPM @ 1200#.
CC: \$9,898

7/28/94 Rls pkr. POOH w/tbg.
RU Halliburton to sqz perfs 7452'-7471'. Est inj rate of 2 BPM @
1350#. Filled csg w/148 bbls. Pmpd 20 bbls 10% CaCl₂. 5 BFW. 10
bbls Flocheck & 5 BFW. Mix & pump 200 sx Thixotropic cmt (59 bbls
14.1# slurry) w/10 BFW behind. Sqz'd to 2500# w/56 bbls slurry out.
Rls'd pkr & rev out w/70 BW. Reset pkr @ 7303'. Pressure up well
to 2000# ~~RD Halliburton.~~ CC: \$24,510

7/29/94 POH w/sqz pkr.
WOC.

7/30-31/94 WOC.

8/1/94 DO cmt @ 7434'.
Rls'd pkr @ 7303'. POOH w/tbg & pkr. RIH w/6 1/8" drag bit & tbg.
tagged cmt @ 7310'. DO cmt to 7434'. Circ hole clean. CC: \$28,170

8/2/94 DO cmt @ 7930'.
Drld cmt from 7434' to 7930'. Circ hole clean. CC: \$31,230

8/3/94 Chasing RBP to PBD.
DO cmt from 7930' to 8320' & fell thru. Run down to 8414' and
stacked out. Rotate & work bit & RBP to 8428'. Circ hole clean.
CC: \$34,224

8/4/94 Displace well w/3% KCl wtr and prep to pull RBP.
Run bit to 8500', stacked out. Rotate on RBP for 20 min - unable to
get any deeper. Circ hole clean. RD drlg equip. POOH w/tbg & bit.
RIH w/retrieving head & tbg to 8495'. Unable to get KCL wtr until
morning. CC: \$40,561

8/5/94 Finish RIH w/tbg.
Displaced hole w/540 bbls clean 3% KCl wtr. Latch onto RBP @ 8500'.
POOH w/tbg & RBP. RU OWP. Perf Upper Green River @ 8328' to 8229'.
3 SPF, 120° phasing w/4" csg guns.

<u>Run #</u>	<u>Interval</u>	<u>Feet</u>	<u>Holes</u>	<u>PSI</u>
1	8328'-8229'	15	45	0

RD OWP. RIH w/TAC. 6' tbg sub. SN & 115 stds tbg. EOT @ 7100'. CC:
\$47,187

THE COASTAL CORPORATION
PRODUCTION REPORT

CHRONOLOGICAL HISTORY

BROTHERSON #3-2384 (WATER SHUT-OFF)
ALTAMONT FIELD
DUCHESNE COUNTY, UT
WI: 78.453125% ANR AFE: 00316

PAGE 25

8/6/94 Well on production.
Finish RIH w/tbg - set TAC @ 8411'. ND BOP. Landed tbg on hanger
w/18,000# tension. NU WH. RIH w/pump & rods. Space out & seat
pump. PT tbg to 500#, held. Prep to RD rig. CC: \$59,461

8/6/94 Pmpd 17 BO, 364 BW, 27 MCF, 18 hrs.

8/7/94 Pmpd 10 BO, 290 BW, 13 MCF, 9.0 SPM.

8/8/94 Pmpd 16 BO, 365 BW, 13 MCF, 9.0 SPM.
Will run dyno.

8/9/94 Pmpd 11 BO, 277 BW, 27 MCF, 9.0 SPM.

8/10/94 Pmpd 36 BO, 172 BW, 27 MCF, 9.8 SPM.
Ran dyno, FL @ 6900'.

8/11/94 Pmpd 37 BO, 129 BW, 28 MCF, 9.8 SPM.

8/12/94 Pmpd 21 BO, 24 BW, 27 MCF.

8/13/94 Pmpd 43 BO, 89 BW, 113 MCF.

8/14/94 Pmpd 30 BO, 210 BW, 13 MCF, 9.8 SPM.

8/15/94 Pmpd 11 BO, 106 BW, 13 MCF, on 12-hr time. Will re-adjust timer
today.

8/16/94 Pmpd 6 BO, 80 BW, 13 MCF.

8/17/94 Pmpd 1 BO, 307 BW, 25 MCF. Hot oiled paraffin buildup.

8/18/94 Pmpd 8 BO, 294 BW, 32 MCF.

8/19/94 Pmpd 66 BO, 100 BW, 113 MCF.

8/20/94 Pmpd 15 BO, 67 BW, 46 MCF, 17 hrs.

8/21/94 Down 24 hrs - wax buildup. Will hot oil today.

8/22/94 Pmpd 14 BO, 194 BW, 27 MCF, 14 hrs. Down 10 hrs - pump off & wax
plug. Evaluating further workover potential. Final report.

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT" - for such proposals

5. Lease Designation and Serial No.

Fee

6. If Indian, Alottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

CA #9674

8. Well Name and No.

Brotherson #3-23B4

9. API Well No.

43-013-31289

10. Field and Pool, Or Exploratory Area

Altamont

11. County or Parish, State

Duchesne County, Utah

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

ANR Production Company

3. Address and Telephone No.

P. O. Box 749, Denver, CO 80201-0749 (303) 573-4476

4. Location of Well (Footage, Sec., T., R., M., Or Survey Description)

1177' FSL & 1112' FWL (SW/SW)
Section 23-T2S-R4W

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Clean Out & Cmt Sqz

☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markets and zones pertinent to this work.)*

Please see the attached procedure to clean out to the Lower Green River/Wasatch formations and, if necessary, cmt squeeze all Upper Green River perms.

2/6/95
John Matthews

14. I hereby certify that the foregoing is true and correct

Signed N.O. Shiflett Title District Drilling Manager Date 02/01/95

(This space for Federal or State office use)

APPROVED BY _____ Title _____ Date _____
Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

PLUG BACK PROCEDURE

BROTHERSON #3-23B4

Section 23-T2S-R4W

Altamont Field

Duchesne County, Utah

WELL DATA

LOCATION: 1,177' FSL and 1,112' FWL

ELEVATION: 6,341' GL; 6,363' KB

TOTAL DEPTH: 12,600' PBD: 7590' (RBP)

CASING: 9 5/8", 40#, S-95 ST&C @ 6,030' cmt w/1570 sxs
7" Liner, 26#, N-80 LT&C from 5,733'-7,782 and
S-95 from 7,782' to 10,600' cmt w/1100 sxs
5", 18#, S-95, 521 Hydril from 10,305' to 12,600',
cmt w/240 sxs

TUBING: 2 1/4" N-80 tubing w/TAC @ 8,411'

TUBULAR DATA

Description	ID	Drift	Capacity B/F	Burst Psi	Collapse Psi
9-5/8" 40# S-95	8.835"	8.679"	.0758	6820	4230
7" 26# N-80 LT&C	6.276"	6.151"	.0382	7240	5410
7" 26# S-95 LT&C	6.276"	6.151"	.0382	8600	7800
5" 18# S-95	4.276"	4.151"	.0177	12040	11880

WELL HISTORY

01/91 Initial Completion. Perf from 11,088' to 12,519'. 3 SPF, 294 holes. Acidize w/12,000 gals 15% HCl using ball sealers. Flwd 1340 BOPD, 2263 MCFPD, 332 BWP, FTP 200 psi, 32/64" chk.

02/91 Install pumping unit.
Prior Production: 59 BOPD, 44 BWP, 126 MCFPD
Post Production: 260 BOPD, 493 BWP, 262 MCFPD

07/91 Sqz off perforations from 11,935' to 12,094'. 66 holes w/325 sxs cmt.
Prior Production: 80 BOPD, 500 BWP, 233 MCFPD
Post Production: 87 BOPD, 343 BWP, 204 MCFPD

11/91 Add Wasatch perforations from 11,115' to 12,529'. 3 SPF, 159 total holes. Acidize new perms w/6000 gals 15% HCl and old perms w/9000 gals 15% HCl.
Prior Production: 35 BOPD, 90 BWP, 252 MCFPD
Post Production: 114 BOPD, 316 BWP, 646 MCFPD

04/92 Add Wasatch and LGR perforations from 8,884'-11,079'. 3 SPF, 348 total holes. Acidize w/10,500 gals 15% HCl.
Prior Production: 34 BOPD, 128 BWP, 206 MCFPD
Post Production: 93 BOPD, 356 BWP, 196 MCFPD

- 03/94 Squeeze off perforations 8,884'-8,962' w/550 sxs. Add UGR perforations 8,229'-8,328', 3 SPF, 45 total holes. Acidize w/2000 gals 15% HCL. Tested 95% oil. Set RBP @ 8000'. Add UGR perforations at 7,226'-7,471', 3 SPF, 48 holes. Acidize UGR w/4000 gals 15% HCL. Perfs 7,226'-7,275' tested 20% oil. Perfs 7,452'-7,471' tested a trace of oil. WO workover to shut off water from 7,452-7,471'.
Prior Production: 50 BOPD, 390 BWPD, 147 MCFD, (LGR & Wasatch)
Post Production: 21 BOPD, 158 BWPD, 38 MCFPD, (UGR)
- 08/94 Squeezed perforations from 7,452'-7,471' w/200 sx cmt. Reperf from 8,229'-8,328', 3 SPF, 45 total holes.
Prior Production: 21 BOPD, 158 BWPD, 38 MCFPD
Post Production: 36 BOPD, 130 BWPD, 27 MCFPD

PRESENT STATUS:

Well shut-in waiting on workover. Last Production: September 6, 1994 from Upper Green River perforations 7,226'-7,275' and 8,229'-8,328': 6 BOPD, 13 BWPD, 20 MCFPD.

PROCEDURE:

- 1) MIRU service rig. Stand back rods. ND wellhead & NU BOPE. RIs TAC @ \pm 8,411' & POOH. ~~PU & RIH w/7" csg scraper to 10,300'.~~ *RLS*
 - *2) PU & RIH w/cementing pkr. Set pkr @ \pm 8050'. Establish inj rate into perforations 8,229'-8,328', 90 total holes. Spot 24 bbls Xylene and sqz perforations w/100 sx Thixotropic Premium cmt per the attached Halliburton Sqz Recommendation dated 1/5/95. POOH w/pkr @ \pm 7,100'. WOC 2 hrs.
 - *3) Set pkr @ \pm 7,100' and establish injection rate into perforations 7,226'-7,275', 33 total holes. Spot 24 bbls Xylene and sqz perforations w/50 sx Thixotropic Premium cement per the attached Halliburton Sqz Recommendation dated 1/5/95. POOH.
 - *4) TIH w/medium tooth rock bit & scraper. DO cmt across perforated interval 7,226'-7,275'. Press test to 1500 psi. Resqz if necessary. DO across previously sqz'd interval 7,452'-7,471'. Press test & resqz if necessary. DO cmt ret & cmt across perf interval 8,229'-8,328'. Press test & resqz if necessary.
 - 5) DO cmt across previously sqz'd interval 8,884'-8,962'. ~~PU & RIH w/7" pkr & press test to 1500 psi. Resqz if necessary. Consult w/Service Company for slurry additives and discuss recommendation w/Denver Engineering. DO & press test to 1500 psi.~~ *RLS* DO Owens 7" CIBP @ \pm 8,978' and CO wellbore to liner top @ \pm 10,305'. POOH.
 - 6) PU & RIH w/4-1/8" mill & CO tools. CO 5" liner to PBTD @ \pm 12,554'.
 - 7) PU & RIH w/5" PBGA, 1 - 4'x 2-7/8" pup jt, SN, 7 jts 2-7/8" tbgs, 7" TAC. Set EOT @ \pm 8,883', SN @ \pm 8,850', TAC @ \pm 8,623'. PU & RIH w/1-3/4" pump and rod string (2,825' - 1"; 2,900' - 7/8"; 2,900' - 3/4"; 225' - 1"). Return on line.
- * Note: ⁴ Steps 2-4 will be omitted until such time as water compatibilities have been evaluated on the Green River-Wasatch commingled waters.

BROTHERSON #3-23B4
WELL BORE DETAIL

AS OF JAN 5, 1995

7" LINER

7226' } 33 HOLES
7275' }

THESE PERFS SWAB
TESTED 2 BO AND
8 BWPH. Presently
PRODUCING

7452' } 15 HOLES
7471' }

THESE PERFS SWAB
TESTED 6 BWPH
WITH TRACE OF
OIL. SQZ'D OFF W/ 200 SXS
CMT.

8229' } 90 HOLES
8328' }

THESE PERFS SWAB
TESTED 3 BOPH.
PERFORATED Twice. Presently
PRODUCING.

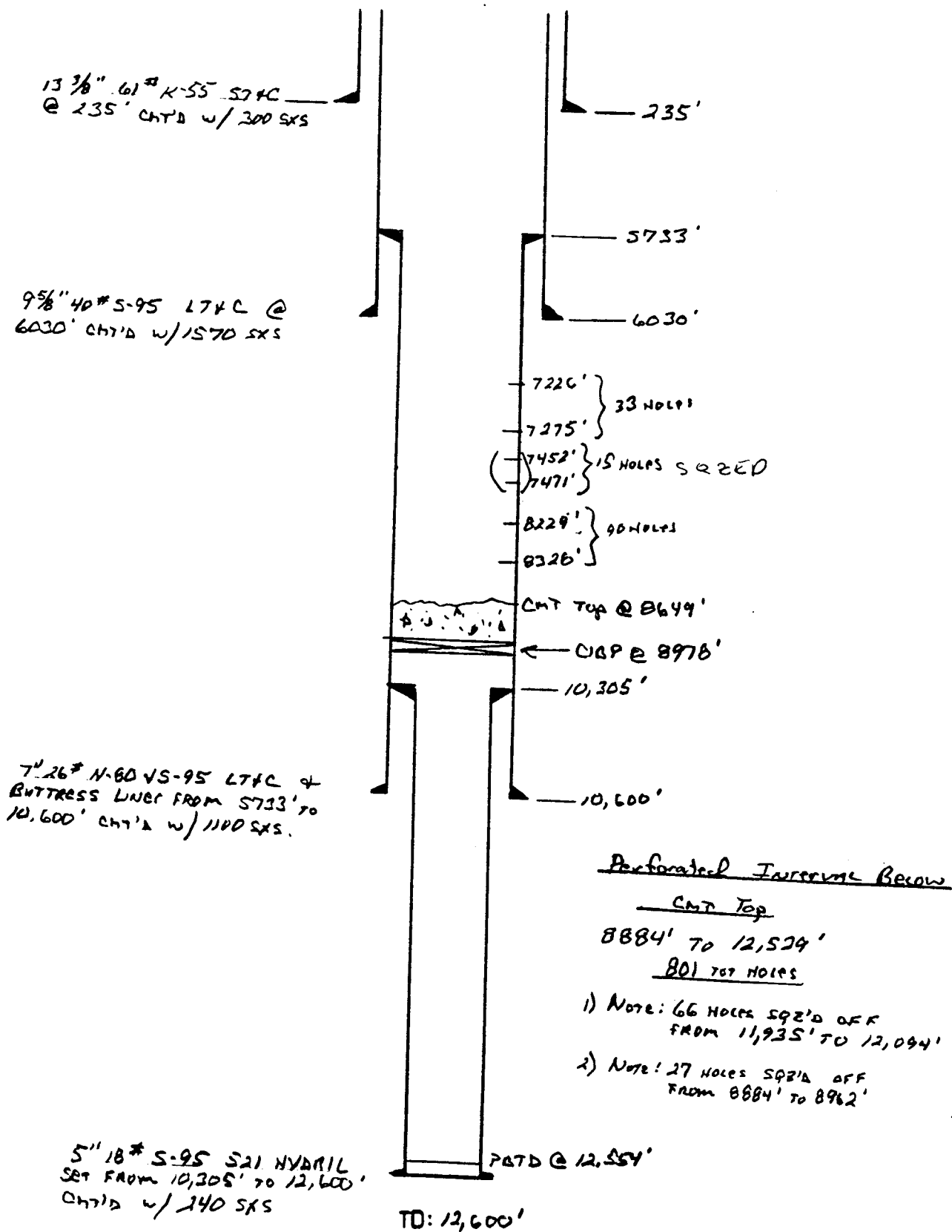
TOC 8649'

8884'

THESE PERFS
CEMENT SQUEEZED
W/ 550 SXS CMT

8962'

CIBP @ 8978'



*** TITLE HOLE *** TITLE HOLE *** TITLE HOLE ***

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED

Budget Bureau No. 1004-0135

Expires: March 31, 1993

Lease Designation and Serial No.

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT" - for such proposals

RECEIVED
JUL 03 1995
DIV. OF OIL, GAS & MINING

6. If Indian, Allottee or Tribe Name

N/A

7. Unit or CA, Agreement Designation

CA #9674

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.

Brotherson #3-23B4

2. Name of Operator

ANR Production Company

9. AAPI Well No.

43-013-31289

3. Address and Telephone No.

P. O. Box 749, Denver, CO 80201-0749

(303) 573-4476

10. Field and Pool, Or Exploratory Area

Altamont

4. Location of Well (Footage, Sec., T., R., M., Or Survey Description)

1177' FSL & 1112' FWL (SW/SW)

Section 23-T2S-R4W

11. County or Parish, State

Duchesne County, Utah

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Plug Back to LGR & Wasatch

☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markets and zones pertinent to this work.)

Please see the attached chronological history for work performed on the subject well.

14. I hereby certify that the foregoing is true and correct

Signed

Sherla Bremer

Title Environmental & Safety Analyst

Date

06/29/95

(This space for Federal or State office use)

APPROVED BY

Title

Date

Conditions of approval, if any:

tax credit
12/11/95

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

THE COASTAL CORPORATION
PRODUCTION REPORT

CHRONOLOGICAL HISTORY

PAGE 26

BROTHERSON #3-23B4 (PLUG BACK TO LGR & WASATCH)
ALTAMONT FIELD
DUCHESNE COUNTY, UT
WI: 78.453125% ANR AFE: 00586
TD: 12,600' PBD: 12,554'
CSG: 5" @ 10,305'-12,600'
PERFS: 7226-7275', 8229-8328', 11,291'-11,269'
CWC(M\$): 125.2

- 3/9/95 Unseat pump.
MIRU workover rig. CC: \$1,443
- 3/10/95 Finish swabbing fluid out of tbg.
Unable to unseat pump. Circ well clean. Backed off rods. POOH
w/104 - 1", 111 - 7/8", 11 - 3/4" rods. ND WH. NU BOP. Rls'd TAC.
POOH w/14 stds tbg - tbg full of oil & wtr. RU swab equip. Made 1
swab run. CC: \$5,486
- 3/11/95 RIH w/pkr.
Made 2 swab runs. POOH w/78 stds tbg to rods. Backed off rods.
POOH w/77 - 3/4" rods. POOH w/32 stds tbg to rods. Backed off rods.
POOH w/10 - 3/4" rods. POOH w/5 stds tbg to rods. Backed off rods.
POOH w/13 - 3/4", 6 - 1" & pump pull rod. POOH w/6 stds & 1 jt tbg.
SN. tbg sub & TAC. CC: \$8,037
- 3/12/95 SD for Sunday.
- 3/13/95 Prep to release pkr.
RIH w/MSOT 7" HD pkr. set @ 8360'. Test CIBP to 2000#. Set pkr @
8052'. Est inj rate into perfs @ 8229'-8328' @ 1 BPM, 1800#. RU
Halliburton. Reset pkr @ 8052'. Spot 500 gal xylene across perfs.
Pump 5 BFW. Sqz perfs w/100 sx Class H to 2000# w/57 sx in perfs.
Reverse out. Reset pkr @ 8052'. Left 2000# on squeeze. CC:
\$19,175
- 3/14/95 POH w/pkr. prep to drill out squeeze.
PT sqz to 2000#, held. Reset pkr @ 7065'. Est inj rate into perfs
@ 7226'-7275' @ 1.5 BPM, 1900#. Rls'd pkr. Spot 500 gal xylene
across perfs. Sqz perfs w/100 sx Class H w/3% KCl to 2000#, 74 sx
in perfs. Reverse out. left 2000# on squeeze. RD Halliburton. CC:
\$29,262
- 3/15/95 Drlg cmt @ 8076'.
POH w/7" HD pkr. RIH w/6 1/2" bit. Drld cmt from 7109' to 7275'. fell
free to 7315'. Circ hole clean. Test sqz'd perfs @ 7226'-7275' to
1500#. RIH. tag cmt @ 8076'. CC: \$32,702
- 3/16/95 Drlg cmt @ 8562'.
Drld cmt from 8076' to 8328'. fell free. RIH w/bit to 8365'. Circ
hole clean. Tested sqz'd perfs @ 8229'-8328' to 1500#, held. RIH
w/tbg, tagged cmt @ 8562'. CC: \$36,858
- 3/17/95 RIH w/mill & DC's.
DO cmt from 8562' to 8659'. Started getting back metal shavings in
returns. Unable to get deeper. Circ hole clean. POOH w/tbg & bit.
Bit had 4 1/2" circle cut in blades. CC: \$39,522
- 3/18/95 RIH w/6 1/2" drag bit.
RIH w/6 1/2" flat btm mill. 4 - 4 1/2" DC's. tag @ 8659'. Milled 20 1/3
hrs. Circ hole clean. POOH w/tbg. DC's & mill. Btm of mill
indicated that it was cutting iron. CC: \$43,822
- 3/19/95 SD for Sunday.
- 3/20/95 Continue drlg cmt.
RIH w/6 1/2" drag bit. 4 - 4 1/2" DC's. tag cmt @ 8678'. DO cmt to 8832'
(154 1/7 hrs). Circ hole clean. CC: \$47,094

THE COASTAL CORPORATION
PRODUCTION REPORT

CHRONOLOGICAL HISTORY

PAGE 27

BROTHERSON #3-23B4 (PLUG BACK TO LGR & WASATCH)
ALTAMONT FIELD
DUCHESNE COUNTY, UT
WI: 78.453125% ANR AFE: 00586

3/21/95 Prep to DO CIBP.
DO cmt from 8832' to CIBP @ 8978'. Circ hole clean. PT csg to 1500#, lost 100#/5 min. POOH w/103 stds tbg to 2680'. CC: \$49,814

3/22/95 DO CIBP.
Finish POOH w/tbg, DC's & drag bit. RIH w/6 1/2" rock bit & 4 DC's. tag CIBP @ 8978'. Circ hole w/filtered prod wtr containing biocide & scale inhibitor. Drill on CIBP for 2 hrs. CC: \$53,639

3/23/95 Continue drlg out cmt.
Drill out CIBP. Continue drlg hard cmt from 8985' to 9029'. CC: \$56,767

3/24/95 Cleanout hole.
Drill out cmt from 9029' to 9298' (269')/9 hrs. Circ hole clean. CC: \$60,463

3/25/95 Drlg out cmt.
DO cmt from 9298' to 9733'. (435')/9 hrs. Circ hole clean. CC: \$63,175

3/26/95 Drlg out cmt.
DO cmt from 9733' to 10,042' (309')/9 hrs. Circ hole clean. CC: \$65,887

3/27/95 Prep to CO 5" liner.
DO cmt from 10,042' to 5" LT @ 10,305' (308')/8 hrs. Circ hole clean. POOH w/tbg. CC: \$69,165

3/28/95 Drlg out cmt.
POOH w/2 1/2" tbg, 4 - 4 3/4" DC's & 6 1/2" bit. RIH w/4 1/2" drag bit w/2 1/2" & 2 1/2" tbg. Tagged 5" LT @ 10,305'. CC: \$72,163

3/29/95 Drlg out cmt.
Drld out solid cmt from 10,305' to 10,650'. Circ hole clean. CC: \$75,140

3/30/95 Drlg out cmt.
Drld out cmt from 10,650' to 10,961'. Circ hole clean. CC: \$79,000

3/31/95 Drlg out cmt.
Drld out cmt from 10,961' to 11,362'. Circ hole clean. CC: \$81,899

4/1/95 Drlg out cmt.
Drld out cmt from 11,362' to 11,860'. Circ hole clean. CC: \$84,717

4/2/95 SD for Sunday.

4/3/95 POH w/bit, prep to reperf Wasatch.
Drld cmt @ 11,860'-11,885'. RIH to 12,010'. CO bridges from 12,010' to 12,554' PBD. Circ hole clean. POOH & LD 73 jts 2 1/2" tbg to 9285'. CC: \$88,876

THE COASTAL CORPORATION
PRODUCTION REPORT

CHRONOLOGICAL HISTORY

BROTHERSON #3-23B4 (PLUG BACK TO LGR & WASATCH)
ALTAMONT FIELD
DUCHESNE COUNTY, UT
WI: 78.453125% ANR AFE: 00586

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4/4/95 Swabbing.
POOH w/128 jts 2½" tbg. POOH & LD 43 jts 2½" tbg & 4½" bit. RU
Cutters. Perf Wasatch @ 11.291'-11.269', 3 SPF, 120° phasing w/3½"
csg guns:

<u>Run #</u>	<u>Interval</u>	<u>Feet</u>	<u>Holes</u>	<u>PSI</u>
1	11.291'-11.269'	5	15	0

RD Cutters. RIH w/MSOT 7" HD pkr on 145 stds 2½" tbg. Set pkr @
8983'. RU swab. Rec 51 BLW/2 hrs. no oil. IFL 1950'. FFL 3700'.
feed-in 26 BPH. CC: \$95,762

4/5/95 RIH w/production tbg.
Swab 28 BO, 16 BLW/2 hrs. IFL 1000'. FFL 2000'. oil cut last run
90%. RD swab. Rls pkr. POOH & LD 20 jts 2½" workstring. 135 stds
2½" tbg & pkr. RIH w/PBGA, tbg sub, SN, 7 jts 2½" tbg, TAC, tbg sub
& 120 stds 2½" production tbg to 7968'. CC: \$101,588

4/6/95 Well on pump.
RIH w/39 jts 2½" tbg, set TAC @ 8647' w/SN @ 8858'. ND BOP. Landed
tbg on hanger w/20,000# Tension. NU WH. RIH w/Nat'l 1½" pump, 9 -
1", 116 - ¾", 116 - ½" & 109 - 1" rods. Space out & seat pump. PT
tbg to 500# - held. Too windy to RD rig. Place well on pump. CC:
\$108,877

4/6/95 Pmpd 14 BO, 204 BW, 6 MCF, 8 SPM, 13 hrs.

4/7/95 Pmpd 27 BO, 269 BW, 59 MCF, 8 SPM.
RDMO rig & equip. CC: \$116,444

4/8/95 Pmpd 107 BO, 238 BW, 84 MCF, 8 SPM.

4/9/95 Pmpd 93 BO, 258 BW, 83 MCF, 8 SPM. Will run dyno.

4/10/95 Pmpd 107 BO, 235 BW, 104 MCF, 9 SPM. Ran dyno - FL @ 5673' (SN @
8810'). Will increase SPM.

4/11/95 Pmpd 104 BO, 189 BW, 94 MCF, 9 SPM.

Prior prod: 0 BO, 0 BW, 0 MCF. Final report.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.

Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

5. Lease Designation and Serial Number:

See Attached

6. If Indian, Allottee or Tribe Name:

See Attached

7. Unit Agreement Name:

See Attached

1. Type of Well:

OIL ☒ GAS ☐ OTHER:

8. Well Name and Number:

See Attached

2. Name of Operator:

Coastal Oil & Gas Corporation

9. API Well Number:

See Attached

3. Address and Telephone Number:

P.O. Box 749, Denver, CO 80201-0749

(303) 573-4455

10. Field and Pool, or Wildcat:

See Attached

4. Location of Well

Footages: See Attached

County: See Attached

QQ, Sec., T., R., M.: See Attached

State: Utah

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT

(Submit In Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Perforate |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate date work will start _____

SUBSEQUENT REPORT

(Submit Original Form Only)

- | | |
|---|---|
| <input type="checkbox"/> Abandon * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Perforate |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Change of Operator</u> | |

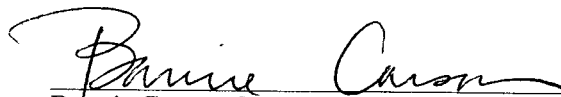
Date of work completion _____

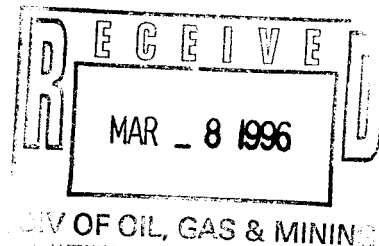
Report results of **Multiple Completions** and **Recompletions** to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

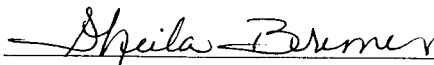
Please be advised that effective December 27, 1995, ANR Production Company relinquished and Coastal Oil & Gas Corporation assumed operations for the subject wells (see attached). Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Coastal Oil & Gas Corporation under the following bonds: State of Utah #102103, BLM Nationwide Bond #U605382-9, and BIA Nationwide Bond #11-40-66A. Coastal Oil & Gas Corporation, as operator, agrees to be responsible under the terms and conditions of the leases for the operations conducted upon leased lands.


Bonnie Carson, Sr. Environmental & Safety Analyst
ANR Production Company



13.

Name & Signature:



Sheila Bremer

Environmental & Safety Analyst

Title: Coastal Oil & Gas Corporation

Date: 03/07/96

(This space for State use only)

Well Name & No.	API No.	Lease Designation & Serial Number	If Indian, Allottee or Tribe Name	CA No.	LOCATION OF WELL		Field	County
					Footages	Section, Township & Range		
Evans Ute 2-17B3	43-013-31056	Fee 5336	Ute	96104	1701' FSL & 1474' FWL	NWSW, 17-2S-3W	Altamont	Duchesne
Miles 1-35A4	43-013-30029	Fee 1965	N/A	9618	1980' FNL & 1980' FEL	SWNE, 35-1S-4W	Altamont	Duchesne
Miles 2-35A4	43-013-31087	Fee 1966	N/A	9618	802' FWL & 1530' FSL	NWSW, 35-1S-4W	Altamont	Duchesne
Brotherson 2-11B4	43-013-31078	Fee 1541	N/A	9623	944' FSL & 1643' FWL	SESW, 11-2S-4W	Altamont	Duchesne
Brotherson 1-2B4	43-013-30062	Fee 1570	N/A	9635	1478' FNL & 1459' FEL	SWNE, 2-2S-4W	Altamont	Duchesne
Brotherson 2-2B4	43-013-30855	Fee 8420	N/A	9635	1371' FSL & 1498' FWL	NESW, 2-2S-4W	Altamont	Duchesne
Broadhead 1-21B6	43-013-30100	Patented 1595	N/A	9639	540' FNL & 2610' FEL	NWNE, 21-2S-6W	Altamont	Duchesne
Ute Brotherson 2-34A4	43-013-30978	Fee 10070	N/A	9640	663' FWL & 1626' FSL	NWSW, 34-1S-4W	Altamont	Duchesne
Rust 2-36A4	43-013-31092	Fee 1577	N/A	9642	1516' FWL & 1955' FSL	NESW, 36-1S-4W	Altamont	Duchesne
Babcock 1-12B4	43-013-30104	Patented 1630	Ute	9643	2248' FNL & 1000' FEL	SENE, 12-2S-4W	Altamont	Duchesne
Babcock 2-12B4	43-013-31005	Fee 10215	N/A	9643	502' FWL & 503' FSL	SWSW, 12-2S-4W	Altamont	Duchesne
Ellsworth 1-9B4	43-013-30118	Patented 1660	N/A	9645	1444' FNL & 700' FEL	SENE, 9-2S-4W	Altamont	Duchesne
Ellsworth 2-9B4	43-013-31138	Fee 16460	N/A	9645	2976' FNL & 2543' FWL	NESW, 9-2S-4W	Altamont	Duchesne
Burton 2-15B5	43-013-31044	Fee 10210	N/A	9646	718' FWL & 1604' FSL	NWSW, 15-2S-5W	Altamont	Duchesne
Tew 2-10B5	43-013-31125	Fee 1756	N/A	9654	851' FWL & 729' FSL	SWSW, 10-2S-5W	Altamont	Duchesne
Goodrich 1-2B3	43-013-30182	Patented 1765	N/A	9655	2347' FSL & 1514' FEL	NWSE, 2-2S-3W	Bluebell	Duchesne
Goodrich 2-2B3	43-013-31246	Fee 11037	N/A	9655	678' FNL & 2235' FWL	NENW, 2-2S-3W	Bluebell	Duchesne
Robb 2-29B5	43-013-31130	Fee 10454	N/A	9656	2214' FWL & 1037' FSL	SESW, 29-2S-5W	Altamont	Duchesne
Ellsworth 1-16B4	43-013-30192	Patented 1735	Ute	9659	1301' FNL & 1101' FEL	NENE, 16-2S-4W	Altamont	Duchesne
Ellsworth 2-16B4	43-013-31046	Fee 10217	N/A	9659	1075' FWL & 1439' FSL	NWSW, 16-2S-4W	Altamont	Duchesne
Lake Fork 2-13B4	43-013-31134	Fee 16452	N/A	9660	963' FWL & 819' FSL	SWSW, 13-2S-4W	Altamont	Duchesne
Jessen 2-21A4	43-013-31256	Fee 11061	N/A	9661	702' FSL & 2182' FWL	SESW, 21-1S-4W	Altamont	Duchesne
Jenkins 1-1B3	43-013-30175	Patented 1790	N/A	9670	1807' FNL & 1888' FWL	SENE, 1-2S-3W	Bluebell	Duchesne
Jenkins 2-1B3	43-013-31117	Fee 1792	N/A	9670	803' FWL & 662' FSL	SWSW, 1-2S-3W	Bluebell	Duchesne
Birch 3-27B5	43-013-31126	Fee 1783	N/A	9671	979' FWL & 1151' FSL	SWSW, 27-2S-5W	Altamont	Duchesne
Lazy K 2-11B3	43-013-31352	Fee 11362	N/A	9672	503' FNL & 2017' FEL	NWNE, 11-2S-3W	Bluebell	Duchesne
Rudy 1-11B3	43-013-30204	Patented 1820	N/A	9672	2111' FSL & 2483' FEL	NWSE, 11-2S-3W	Bluebell	Duchesne
Brotherson 1-24B4	43-013-30229	Fee 1865	N/A	9674	1445' FNL & 1894' FEL	SWNE, 24-2S-4W	Altamont	Duchesne
Brotherson 3-23B4	43-013-31289	Fee 11141	N/A	9674	1177' FSL & 1112' FWL	SWSW, 23-2S-4W	Altamont	Duchesne
Evans 1-19B3	43-013-30265	Fee 1776	N/A	9678	1256' FNL & 893' FEL	NENE, 19-2S-3W	Altamont	Duchesne
Jenkins 2-12B3	43-013-31121	Fee 10459	N/A	9679	1623' FNL & 1047' FEL	SENE, 12-2S-3W	Bluebell	Duchesne
Bleazard 2-28B4	43-013-31304	Fee 11433	N/A	9681	1580' FSL & 2335' FWL	NESW, 28-2S-4W	Altamont	Duchesne
Lamicq 2-5B2	43-013-30784	Fee 2302	N/A	9683	1963' FWL & 803' FSL	SESW, 5-2S-2W	Bluebell	Duchesne
C.R. Aimes 1-23A4	43-013-30375	Fee 5675	Ute	9C133	704' FEL & 1515' FNL	SENE, 23-1S-4W	Altamont	Duchesne
Chandler 1-5B4	43-013-30140	Patented 1685	Ute	NW580	2120' FNL & 1553' FEL	SWNE, 5-2S-4W	Altamont	Duchesne
Chandler 2-5B4	43-013-31000	Fee 10075	Ute	NW580	466' FSL & 1180' FWL	SWSW, 5-2S-4W	Altamont	Duchesne
Monsen 2-27A3	43-013-31104	Fee 1746	N/A	NW581	1801' FWL & 2008' FSL	NESW, 27-1S-3W	Altamont	Duchesne
Monsen 3-27A3	43-013-31401	Fee 11686	N/A	NW581	850' FNL & 1520' FWL	NENW, 27-1S-3W	Altamont	Duchesne
Ute Smith 1-30B5	43-013-30521	Fee 1950	Ute	UT08014987C696	1890' FSL & 624' FEL	NESE, 30-2S-5W	Altamont	Duchesne
Bleazard 1-18B4	43-013-30059	Patented 1565	N/A	N/A	1923' FNL & 2314' FEL	SWNE, 18-2S-4W	Altamont	Duchesne
Bleazard 2-18B4	43-013-31025	Fee 1566	N/A	N/A	857' FWL & 861' FSL	SWSW, 18-2S-4W	Altamont	Duchesne
Bodero 1-15B3	43-013-30565	Fee 2360	N/A	N/A	1370' FNL & 1679' FWL	SENE, 15-2S-3W	Altamont	Duchesne
Broadhead 2-32B5	43-013-31036	Fee 10216	N/A	N/A	1686' FWL & 1116' FSL	SESW, 32-2S-5W	Altamont	Duchesne
Brotherson 1-10B4	43-013-30110	Patented 1614	N/A	N/A	2037' FNL & 2052' FEL	SWNE, 10-2S-4W	Altamont	Duchesne
Brotherson 1-14B4	43-013-30051	Patented 1535	N/A	N/A	2100' FNL & 750' FEL	SENE, 14-2S-4W	Altamont	Duchesne
Brotherson 1-22B4	43-013-30227	Fee 1780	N/A	N/A	1642' FNL & 1297' FEL	SENE, 22-2S-4W	Altamont	Duchesne
Brotherson 1-23B4R	43-013-30483	Patented 8423	N/A	N/A	747' FNL & 2380' FEL	NWNE, 23-2S-4W	Altamont	Duchesne
Brotherson 1-26B4	43-013-30336	Patented 1856	N/A	N/A	1272' FNL & 1408' FEL	NWNE, 26-2S-4W	Altamont	Duchesne
Brotherson 1-28A4	43-013-30292	Patented 1841	N/A	N/A	751' FNL & 1130' FEL	NENE, 28-1S-4W	Altamont	Duchesne

F200704

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
UT-922

April 11, 1996

Memorandum

TO: Superintendent, Uintah and Ouray Agency, Ft. Duchesne, Utah

FROM: Chief, Branch of Fluid Minerals, BLM, Utah State Office, Salt Lake City, Utah

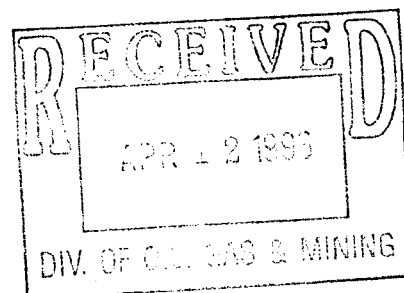
SUBJECT: Successor of Operator, Communitization Agreement's (CA) 96-000018, 96-000023, 96-000035, 96-000039, 96-000040, 96-000042, 96-000043, 96-000045, 96-000046, 96-000049, 96-000054, 96-000055, 96-000056, 96-000059, 96-000060, 96-000061, 96-000070, 96-000071, 96-000072, 96-000074, 96-000078, 96-000079, 96-000081, 96-000085, 96-000104, 9C-000126, 9C-000133, 9C-000138, 9C-000140, UT080149-87C696, UT70814, UTU73743 and UTU73964, Duchesne and Uintah Counties, Utah

The enclosed Designation of Successor of Operators for CA's 96-000018, 96-000023, 96-000035, 96-000039, 96-000040, 96-000042, 96-000043, 96-000045, 96-000046, 96-000049, 96-000054, 96-000055, 96-000056, 96-000059, 96-000060, 96-000061, 96-000070, 96-000071, 96-000072, 96-000074, 96-000078, 96-000079, 96-000081, 96-000085, 96-000104, 9C-000126, 9C-000133, 9C-000138, 9C-000140, UT080149-87C696, UT70814, UTU73743 and UTU73964, Duchesne and Uintah Counties, Utah, have been reviewed by this office and found to be acceptable and we recommend approval. The new operator will be Coastal Oil & Gas Corporation. Upon approval of these Successor of Operators, please return one copy to this office.

If you have any questions, please contact Teresa Thompson at (801) 539-4047.

Enclosures

bcc: ~~96-000100~~
CA's (33)
DM - Vernal
Division Oil, Gas & Mining
Agr. Sec. Chron.
Fluid Chron



Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT" - for such proposals

5. Lease Designation and Serial No.

Fee

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

CA #9674

8. Well Name and No.

Brotherson #3-23B4

9. API Well No.

43-013-31289

10. Field and Pool, Or Exploratory Area

Altamont

11. County or Parish, State

Duchesne County, Utah

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Coastal Oil & Gas Corporation

3. Address and Telephone No.

P. O. Box 749, Denver, CO 80201-0749 (303) 573-4455

4. Location of Well (Footage, Sec., T., R., M., Or Survey Description)

1177' FSL & 1112' FWL (SW/SW)
Section 23-T2S-R4W

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Lower Seat Nipple
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markets and zones pertinent to this work.)*

Please see the attached chronological history for work performed on the subject well to enhance production on the subject well.

14. I hereby certify that the foregoing is true and correct

Signed

Sheila Bremer
Sheila Bremer

Title Environmental & Safety Analyst

Date

06/11/96

(This space for Federal or State office use)

APPROVED BY

Title

Date

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

THE COASTAL CORPORATION
PRODUCTION REPORT

CHRONOLOGICAL HISTORY

BROTHERSON #3-23B4 (LWR SN)
ALTAMONT FIELD
DUCHESNE COUNTY, UT
WI: 78.453125% ANR AFE:
TD: 12,600' PBD: 12,554'
CSG: 5" @ 10,305'-12,600'
PERFS: 7226-7275', 8229-8328', 11,291'-11,269'
CWC(M\$):

5/14/96

Prep to PU & run rods.

Change over from rod to tbg equip. RD WH. NU BOPs & remaining tbg equip. Unset anchor @ 8647'. TOO H w/279 jts 2 7/8" tbg & LD BHA. Change over to 2 3/8" equip. Tally & PU 2 3/8" bull plug, 2 3/8" perforated sub, 5" MSOT TAC, 5" MSOT cup assembly, gas separator, 2 3/8"x10 Rnd sub, 2 jts 2 3/8" tbg, 45-2 3/8" change over, 286 jts 2 7/8" tbg. Tally & PU 40 jts off float, set anchor @ 11,199' w/24,000# tension. Putting SN @ 11,123.07' & EOT @ 11,205.01'. RD tbg equip & BOPs. NU WH. CC: \$13,153.

5/15/96

Final.

Open well. PU 2x1 1/2" rod pump, prime w/diesel. RIH w/recondition 3/4" rods 220, 115-7/8", 106-1" rods, 2-2x1 ponies, polish rod, seat pump @ 11,123'. Fill tbg w/45 bbls. Stroke rods to 800#, held. Hung horse head, space out, hung polish rod. RDMO. CC: \$26,878.

memorandum

DATE: August 16, 1996

REPLY TO
ATTN OF: Superintendent, Uintah and Ouray Agency

SUBJECT: Designation of Successor Operator

TO: Bureau of Land Management, Vernal District Office

We are in receipt of the Designations of Successor Operator for our approval whereby Coastal Oil & Gas Corporation was designated as the new Operator for the Communization Agreements (CA) listed on the attached sheet, Exhibit "A".

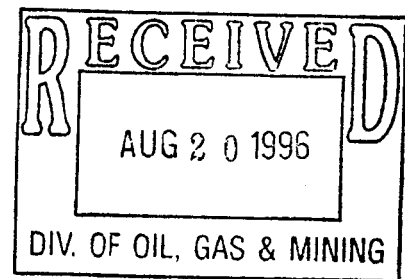
The enclosed instruments were approved on the date of this letter. Coastal's Nationwide Bond will be used to cover all operations, and plugging and abandonment of wells.

If you have any questions, please contact this office at (801) 722-2406, Ext. 51/52/54.

Charles H. Cameron

Enclosures

cc: Lisha Cordova, Utah State DOGM
Theresa Thompson, BLM/SLC



DESIGNATION OF SUCCESSOR OPERATOR

Communitization Agreement Numbers are listed on attached Exhibit "A"

Designation of successor Operator for communitized area, Counties of Uintah and Duchesne, State of Utah, being:

(See attached Exhibit "A" for description of Communitization Agreements)

THIS INDENTURE, dated as of the 9th day of April, 1996, by and between Coastal Oil & Gas Corporation, hereinafter designated as "First Party", and the owners of communitized working interests, hereinafter designated as "Second Parties",

WHEREAS, under the provisions of the Act of February 25, 1920, 41 Stat. 437, 30 U.S.C. Secs. 181, et seq., as amended by the Act of August 8, 1946, 60 Stat. 950, a Communitization Agreement for the above Communitized Area, effective (see attached Exhibit "A") wherein ANR Production Company is designated as Operator of the communitized area; and

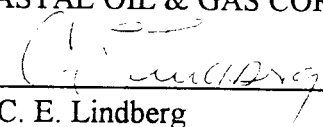
WHEREAS said, ANR Production Company has resigned as Operator, and the designation of successor operator is now required pursuant to the terms thereon; and

WHEREAS the First Party has been and hereby is designated by Second Parties as Operator of the communitized area, and said First Party desires to assume all the rights, duties and obligations of Operator under the said Communitization Agreement.

NOW, THEREFORE, in consideration of the premises hereinbefore set forth and the promises hereinafter stated, the First Party hereby covenants and agrees to fulfill the duties and assume the obligations of Operator of the communitized area under and pursuant to all the terms of said Communitization Agreement, and the Second Parties covenants and agree that, effective upon approval of this indenture by the Chief, Branch of Fluid Minerals, Bureau of Land Management, First Party shall be granted the exclusive right and privilege of exercising any and all rights and privileges as Operator, pursuant to the terms and conditions of said Communitization Agreement; and said Agreement being hereby incorporated herein by referenced and made a part hereof as fully and effectively as though said Agreement were expressly set forth in this instrument.

IN WITNESS WHEREOF, the parties hereto have executed this instrument as of the date hereinabove set forth.

FIRST PARTY
COASTAL OIL & GAS CORPORATION

By: 
C. E. Lindberg
Vice President

STATE OF COLORADO)
)
COUNTY OF Denver)

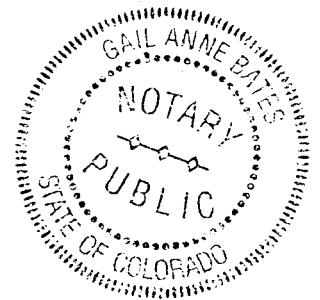
The foregoing instrument was acknowledged before me on the 9th day of April, 1996 by C. E. Lindberg, known to me to be the vice President of Coastal Oil & Gas Corporation, a Delaware corporation, on behalf of said corporation.

Given under my hand and official seal of office on this 9th day of April, 1996.

Gail Anne Bates
Notary Public in and for the State of Colorado

My Commission Expires:

MY COMMISSION EXPIRES: May 14, 1997
1314 W. Shepperd Ave., #203B
Littleton, Colorado 80120



The Designation of Successor Operator is hereby approved this **16th day of August, 1996**, for the Communitization Agreements listed on the attached sheet as Exhibit "A".

Charles H. Cameron
Acting Superintendent
BIA - Uintah & Ouray Agency

Communitization Agreement

Well Name	Well Location	County	State	Number	Description	Acres	Effective Date
Evans Ute 2-17B3	NWSW, 17-2S-3W	Duchesne	Utah	96104	All Sec. 17-T2S-R3W	640.00	10/01/73
Miles 1-35A4	SWNE, 35-1S-4W	Duchesne	Utah	9618	All Sec. 35-T1S-R4W	640.00	07/01/70
Miles 2-35A4	NWSW, 35-1S-4W	Duchesne	Utah	9618	All Sec. 35-T1S-R4W	640.00	07/01/70
Brotherson 2-11B4	SESW, 11-2S-4W	Duchesne	Utah	9623	All Sec. 11-T2S-R4W	640.00	09/01/70
Brotherson 2-2B4	NESW, 2-2S-4W	Duchesne	Utah	9635	All Sec. 2-T2S-R4W	684.24	03/29/71
Brotherson 1-2B4	SWNE, 2-2S-4W	Duchesne	Utah	9635	All Sec. 2-T2S-R4W	684.24	03/29/71
Broadhead 1-21B6	NWNE, 21-2S-6W	Duchesne	Utah	9639	All Sec. 21-T2S-R6W	640.00	10/21/71
Ute Tribal 2-21B6	SESE, 21-2S-6W	Duchesne	Utah	9639	Sec. 21-T2S-R6W	640.00	10/21/71
Ute 1-34A4	SWNE, 34-1S-4W	Duchesne	Utah	9640	All Sec. 34-T1S-R4W	640.00	09/03/71
Ute Brotherson 2-34A4	NWSW, 34-1S-4W	Duchesne	Utah	9640	All Sec. 34-T1S-R4W	640.00	09/03/71
Rust 2-36A4	NESW, 36-1S-4W	Duchesne	Utah	9642	All Sec. 36-T1S-R4W	640.00	12/08/71
Ute 1-36A4	NENE, 36-1S-4W	Duchesne	Utah	9642	All Sec. 36-T1S-R4W	640.00	12/08/72
Babcock 1-12B4	SENE, 12-2S-4W	Duchesne	Utah	9643	All Sec. 12-T2S-R4W	640.00	02/22/72
Babcock 2-12B4	SWSW, 12-2S-4W	Duchesne	Utah	9643	All Sec. 12-T2S-R4W	640.00	02/22/72
Ellsworth 2-9B4	NESW, 9-2S-4W	Duchesne	Utah	9645	All Sec. 9-T2S-R4W	640.00	03/27/72
Ellsworth 1-9B4	SENE, 9-2S-4W	Duchesne	Utah	9645	All Sec. 9-T2S-R4W	640.00	03/27/72
Burton 2-15B5	NWSW, 15-2S-5W	Duchesne	Utah	9646	All Sec. 15-T2S-R5W	640.00	05/30/72
Ute 1-1B4	SENE, 1-2S-4W	Duchesne	Utah	9649	All Sec. 1-T2S-R4W	688.00	05/15/72
Ute Jenks 2-1B4	NENW, 1-2S-4W	Duchesne	Utah	9649	All Sec. 1-T2S-R4W	688.00	05/15/72
Tew 2-10B5	SWSW, 10-2S-5W	Duchesne	Utah	9654	All Sec. 10-T2S-R5W	640.00	09/26/72
Goodrich 1-2B3	NWSE, 2-2S-3W	Duchesne	Utah	9655	All Sec. 2-T2S-R3W	645.84	09/15/72
Goodrich 2-2B3	NENW, 2-2S-3W	Duchesne	Utah	9655	All Sec. 2-T2S-R3W	645.84	09/15/72
Robb 2-29B5	SESW, 29-2S-5W	Duchesne	Utah	9656	All Sec. 29-T2S-R5W	640.00	10/01/72
Ellsworth 1-16B4	NENE, 16-2S-4W	Duchesne	Utah	9659	All Sec. 16-T2S-R4W	640.00	10/04/72
Ellsworth 2-16B4	NWSW, 16-2S-4W	Duchesne	Utah	9659	All Sec. 16-T2S-R4W	640.00	10/04/72
Lake Fork 2-13B4	SWSW, 13-2S-4W	Duchesne	Utah	9660	All Sec. 13-T2S-R4W	640.00	10/26/72
Jessen 2-21A4	SESW, 21-1S-4W	Duchesne	Utah	9661	All Sec. 21-T1S-R4W	640.00	09/01/72
Jenkins 2-1B3	SWSW, 1-2S-3W	Duchesne	Utah	9670	All Sec. 1-T2S-R3W	644.92	11/30/72
Jenkins 1-1B3	SENE, 1-2S-3W	Duchesne	Utah	9670	All Sec. 1-T2S-R3W	644.92	11/30/72
Birch 3-27B5	SWSW, 27-2S-5W	Duchesne	Utah	9671	All Sec. 27-T2S-R5W	640.00	01/30/73
Lazy K 2-11B3	NWNE, 11-2S-3W	Duchesne	Utah	9672	All Sec. 11-T2S-R3W	640.00	01/30/73
Rudy 1-11B3	NWSE, 11-2S-3W	Duchesne	Utah	9672	All Sec. 11-T2S-R3W	640.00	01/30/73
Brotherson 1-24B4	SWNE, 24-2S-4W	Duchesne	Utah	9674	All Sec. 24-T2S-R4W	640.00	03/13/73
Evans 2-19B3	NESW, 19-2S-3W	Duchesne	Utah	9678	All Sec. 19-T2S-R3W	632.66	01/22/73
Evans 1-19B3	NENE, 19-2S-3W	Duchesne	Utah	9678	All Sec. 19-T2S-R3W	632.66	01/22/73
Ute 3-12B3	SWNW, 12-2S-3W	Duchesne	Utah	9679	All Sec. 12-T2S-R3W	640.00	04/16/73

Communitization Agreement

Well Name	Well Location	County	State	Number	Description	Acres	Effective Date
Jenkins 2-12B3	SENE, 12-2S-3W	Duchesne	Utah	9679	All Sec. 12-T2S-R3W	640.00	04/16/73
Bleazard 2-28B4	NESW, 28-2S-4W	Duchesne	Utah	9681	All Sec. 28-T2S-R4W	640.00	03/15/73
Ute 1-28B4	SWNE, 28-2S-4W	Duchesne	Utah	9681	All Sec. 28-T2S-R4W	640.00	03/15/73
Murdock 2-34B5	NESW, 34-2S-5W	Duchesne	Utah	9685	All Sec. 34-T2S-R5W	640.00	02/12/73
Ute Tribal 10-13A4	NWNE, 13-1S-4W	Duchesne	Utah	9C-126	All Sec. 13-T1S-R4W	640.00	03/10/74
C.R. Aimes 1-23A4	SENE, 23-1S-4W	Duchesne	Utah	9C133	All Sec. 23-T1S-R4W	640.00	03/01/74
Ute 1-8A1E	SWNE, 8-1S-1E	Uintah	Utah	9C138	All Sec. 8-T1S-R1E	640.00	10/21/74
Ute 2-33Z2	SWSW, 33-1N-2W	Duchesne	Utah	9C140	All Sec. 33-T1N-R2W	640.00	08/01/75
Ute Tribal 1-33Z2	SWNE, 33-1N-2W	Duchesne	Utah	9C140	All Sec. 33-T1N-R2W	640.00	08/01/75
Ute Smith 1-30B5	NESE, 30-2S-5W	Duchesne	Utah	UT08014987C696	All Sec. 30-T2S-R5W	609.24	06/18/81
Myrin Ranch 2-18B3	NWSW, 18-2S-3W	Duchesne	Utah	UTU70814	All Sec. 18-T2S-R3W	629.70	11/05/92
Ute Tribal 2-22B6	SESE, 22-2S-6W	Duchesne	Utah	UTU73743	Sec. 22-T2S-R6W	640.00	09/06/94
Ute 1-15B6	NWSW, 15-2S-6W	Duchesne	Utah	UTU73964	All Sec. 15-T2S-T6W	640.00	04/11/95

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing: *CH*

1	LEC-1-53
2	DTS-8-FILE
3	VED
4	RJT
5	DEC
6	FILM

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

- ☒ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☐ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 12-27-95)

TO (new operator) <u>COASTAL OIL & GAS CORP</u>	FROM (former operator) <u>ANR PRODUCTION CO INC</u>
(address) <u>PO BOX 749</u>	(address) <u>PO BOX 749</u>
<u>DENVER CO 80201-0749</u>	<u>DENVER CO 80201-0749</u>
phone <u>(303) 572-1121</u>	phone <u>(303) 572-1121</u>
account no. <u>N 0230 (B)</u>	account no. <u>N0675</u>

Well(s) (attach additional page if needed):

Name: **SEE ATTACHED**	API: <u>013-31284</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- lec* 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(Rec'd 3-8-96)*
- lec* 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(Rec'd 3-8-96)*
- N/A* 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) _____ If yes, show company file number: _____.
- N/A* 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- lec* 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(3-11-96) (4-3-96/Indian) (4-15-96/Fed C.A.'s) (8-20-96/Indian C.A.'s)*
- lec* 6. Cardex file has been updated for each well listed above.
- lec* 7. Well file labels have been updated for each well listed above.
- lec* 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(3-11-96)*
- lec* 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- Yes 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only) *Surety No. U605382-1 (\$80,000) United Pacific Ins. Co.*

- Yes 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operators' bond files. ** Upon Compl. of routing.*
- Yes 3. The former operator has requested a release of liability from their bond (yes/no) no. Today's date march 11, 1996. If yes, division response was made by letter dated 19 . *(Same Bond as Coastal)*

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated 19 , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
2. Copies of documents have been sent to State Lands for changes involving State leases.

FILMING

- Yes 1. All attachments to this form have been microfilmed. Date: 1-7 1997.

FILING

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

- 9/60311 This change involves Fee lease / non C.A. wells ~~only~~ State lease wells.
C.A. & Indian lease wells will be handled on separate change.
- 9/60412 BLM/SL Aprv. C.A.'s 4-11-96.
- 9/60820 BIA Aprv. CA's 8-16-96.
- 9/60329 BIA Aprv. Indian Lease wells 3-26-96.
- WE71134-35 *9/61107 Lemicy 2-5B2/43-013-30784 under review at this time; no chg. yet!

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____	5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
2. NAME OF OPERATOR: EL PASO E&P COMPANY, L.P.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1099 18TH ST, STE 1900 DENVER CO 80202	7. UNIT or CO AGREEMENT NAME:
PHONE NUMBER: (303) 291-6400	8. WELL NAME and NUMBER: BROTHERSON 3-2384
9. API NUMBER: 4301331289	10. FIELD AND POOL OR WILDCAT: ALTAMONT

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1177' FSL, 1112' FWL
COUNTY: DUCHESNE
QTR/CTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWSW 23 2S 4W
STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input checked="" type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

OPERATOR REQUESTS AUTHORIZATION TO RECOMPLETE THE SUBJECT WELL. PLEASE REFER TO THE ATTACHED PROCEDURE.

COPY SENT TO OPERATOR

Date: 6/20/2008

Initials: KS

RECEIVED

JUN 11 2008

DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) <u>LISA PRETZ</u>	TITLE <u>ENGINEERING TECH</u>
SIGNATURE <u>[Signature]</u>	DATE <u>6/11/2008</u>

(This space for State use only)

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 6/25/08
BY: [Signature]

(5/2000)

(See Instructions on Reverse Side)

Recompletion Procedure
Brotherson 3-23B4
Section 23, T2S, R4W
Altamont-Bluebell Field
Duchesne County, Utah

COMPANY PERSONNEL

Title	Name	Office	Mobile	Home
Production Manager	Frank Seidel	(303) 291-6436	(303) 945-1049	(720) 524-8693
Production Engineer	Doug Sprague	(303) 291-6433	(303) 957-6176	(303) 627-4970
Production Foreman	Gary Lamb	(435) 454-4224	(435) 823-1443	(435) 454-3537

TUBULAR DATA

Material	Description	Burst (100%)	Col (100%)	Body Yield	Jt Yield	ID	Drift ID	Cap CF/LF	TOC
Surface Casing	9 5/8" 40# S-95 @ 6,028'	6820	4230	1088	858	8.835	8.679	.4257	SURF
Intermediate Liner	7" 26# N-80 & S-95 @ 5,733' to 10,600'	7240 8600	5410 7800	604 717	519 602	6.276	6.151	.2148	5,980' (CBL)
Production Liner	5" 18# S-95 @ 10,305' to 12,600'	12040	12030	501	512	4.276	4.151	.0997	TOL
Production Tubing	2-7/8" 6.5# N-80 8rd	10570	11160			2.441	2.347	.0325	

1. MIRU workover rig. Load well with TPW. POOH and lay down rods and pump.
2. ND wellhead. NU and test BOP. POOH with tubing. Lay down BHA.
3. RIH with 8 1/8" bit, 9 5/8" casing scraper and DC's and clean wellbore to top of liner (6,588'). Circulate well clean. POOH.
4. RIH with 6 1/8" bit, 7" casing scraper and DC's and clean intermediate liner to liner top at 10,305'. Circulate well clean. POOH.
5. RIH with 4 1/8" bit, 5" casing scraper and DC's and clean liner to 10,650'. Circulate well clean. POOH.
6. RU EL. RIH and set 5" CIBP at 10,627' (Top of Wasatch). Dump 35' of cement on top. RIH and set 7" CIBP at 8,050'. Dump 20' of cement on top. RD EL.
7. Pressure test casing to 1,500 psi. If leak is detected, isolate with packer. Establish breakdown. Design squeeze job based on breakdown data and

squeeze leak. Drill out and test squeeze. Circulate hole clean. POOH laying down tubing.

8. RU EL w/ 5K lubricator and test to 5,000 psi with water. RIH and shoot the intervals of Stage # 1 per the attached schedule with 3-1/8" HSC, 22.7 gm charges, **SPF as noted** and 120° phasing. Perforate first interval under 500 psig surface pressure. Record any changes in fluid level or wellhead pressure while perforating. RD WL unit. Lay and stake hardline to pit, NU chokes on casing valves prior to perforating.
9. Pick up treating packer with circulating port and RIH with 3 1/2" work string. Set packer at 7,700'±.
10. MI and RU stimulation company and wellhead isolation tool.
11. Acidize perforations with 5,000 gallons 15% HCl acid at 20 to 30 bpm. Run 150 Bio-Balls (brown or green color) sealers evenly dispersed in the acid. **Maximum allowable surface pressure is 8,500 psi. Anticipated frac gradient is 0.75 psi/ft.** All fluids to contain 2% KCl substitute, scale inhibitor, biocide, and 2.0 gpt MA-844 provided by stimulation company. Bottom hole static temperature is 147° F at 7,860' (Mid perf). Overflush acid 10 bbls to bottom perf with 2% KCl substitute. Shut down. Isolate well head and continue to monitor well head pressure with stimulation company's data recorder for 15 minutes. Surge ball sealers. Leave well shut in for 60 minutes total to allow Bio-Balls to dissolve. RD stimulation company,
12. Flow test well for 24 hours recording hourly rates and pressures. If well flows, run ProTechnics TRACER AND PRODUCTION LOG over frac stage.
13. Open circulating port and kill well. Release treating packer and POOH laying down 3 1/2" treating string.
14. Run production assembly based on well productivity.
15. Once production equipment has been run, release all rental equipment, RD & MO WO rig and clean location. Turn well over to pumper and turn to sales

Brotherson 3-23B4

PERFORATION SCHEDULE - GREEN RIVER FORMATION

Open Hole Reference Log: Atlas DIFL / GR - Run 2 - 1/10/91

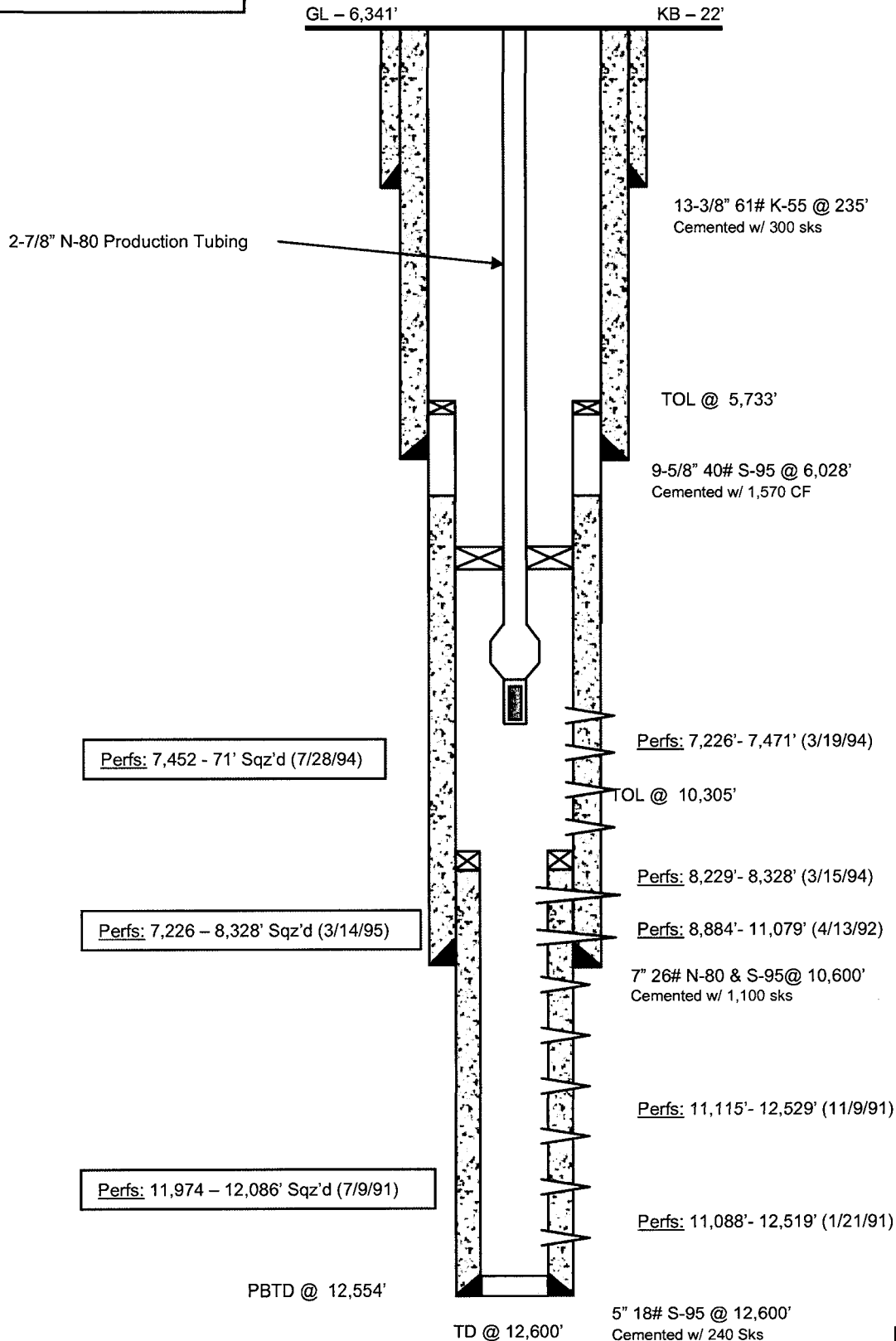
Proposed Recompletion Perfs

Open Hole Depths				Cased Hole Depths							
Top	Bottom	SPF	Cum Shots	Top	Bottom	SPF	Cum Shots	Top	Bottom	SPF	Cum Shots
7,753	7,754	3	3	7,754	7,755						
7,758	7,759	3	6	7,759	7,760						
7,764	7,765	3	9	7,765	7,766						
7,769	7,770	3	12	7,770	7,771						
7,772	7,773	3	15	7,773	7,774						
7,777	7,778	3	18	7,778	7,779						
7,782	7,783	3	21	7,783	7,784						
7,789	7,790	3	24	7,790	7,791						
7,793	7,794	3	27	7,794	7,795						
7,817	7,818	3	30	7,818	7,819						
7,819	7,820	3	33	7,820	7,821						
7,829	7,830	3	36	7,830	7,831						
7,833	7,834	3	39	7,834	7,835						
7,837	7,838	3	42	7,838	7,839						
7,842	7,843	3	45	7,843	7,844						
7,851	7,852	3	48	7,852	7,853						
7,855	7,857	3	54	7,856	7,858						
7,862	7,863	3	57	7,863	7,864						
7,872	7,873	3	60	7,873	7,874						
7,876	7,877	3	63	7,877	7,878						
7,879	7,880	3	66	7,880	7,881						
7,881	7,882	3	69	7,882	7,883						
7,888	7,889	3	72	7,889	7,890						
7,890	7,891	3	75	7,891	7,892						
7,911	7,912	3	78	7,912	7,913						
7,915	7,916	3	81	7,916	7,917						
7,928	7,929	3	84	7,929	7,930						
7,932	7,934	3	90	7,933	7,935						
7,944	7,945	3	93	7,945	7,946						
7,947	7,948	3	96	7,948	7,949						
7,952	7,953	3	99	7,953	7,954						
7,961	7,962	3	102	7,962	7,963						
7,965	7,966	3	105	7,966	7,967						

Wellbore Diagram

Brotherson 3-23B4

Altamont / Blue Bell Field
Duchesne Co, Utah
API - 43-013-31289
EP Lease # - 10000950



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

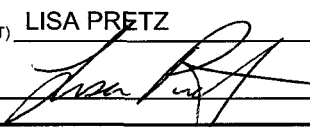
1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
2. NAME OF OPERATOR: EL PASO E&P COMPANY, L.P.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1099 18TH ST, STE 1900 CITY DENVER STATE CO ZIP 80202		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1177' FSL, 1112' FWL		8. WELL NAME and NUMBER: BROTHERSON 3-23B4
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSW 23 2S 4W		9. API NUMBER: 4301331289
COUNTY: DUCHESNE		10. FIELD AND POOL, OR WILDCAT: ALTAMONT
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/RESUME) <input type="checkbox"/> RECLAMATION OF WELL SITE <input checked="" type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input type="checkbox"/> OTHER: _____
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 7/13/2008			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

OPERATOR PERFORMED THE FOLLOWING WORK TO THE SUBJECT WELL BETWEEN 6/27/2008 AND 7/13/2008:

TOOH W/ RODS AND TBG. RIH W/ 7" CIBP AND SET @ 8040'. DUMP BAIL 4 SX CMT ON CIBP.
RIH W/ 4" GUNS AND PERFORATE THE FOLLOWING INTERVALS; 7965' - 7915', 7911'-7862', 7855' - 7817', 7793' - 7777',
7772-7764', AND 7758' - 7753'. RIH W/ 7" PKR AND SET @ 7670'. TEST CSG TO 1000 PSI, GOOD. PUMP 5000 GAL HCL
W/ 160 BIO BALLS, FLUSH W/ 105 BBLs 2% KCL FOR DIVERSION. RELEASE PKR AND TOOH W/ TBG.
TIH W/ 2-7/8" PROD TBG. SET TAC IN 15K TENSION. TIH W/ ROD STRING. RETURN WELL TO PRODUCTION ON
7/13/2008.

NAME (PLEASE PRINT) LISA PRETZ	TITLE ENGINEERING TECH
SIGNATURE 	DATE 8/27/2008

(This space for State use only)

RECEIVED
SEP 09 2008
DIV. OF OIL, GAS & MINING

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET (for state use only)

ROUTING
CDW

X - Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

6/1/2012

FROM: (Old Operator):

N3065- El Paso E&P Company, L.P.
 1001 Louisiana Street
 Houston, TX. 77002

Phone: 1 (713) 997-5038

TO: (New Operator):

N3850- EP Energy E&P Company, L.P.
 1001 Louisiana Street
 Houston, TX. 77002

Phone: 1 (713) 997-5038

CA No.

Unit:

N/A

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
See Attached List								

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 6/25/2012
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 6/25/2012
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 6/27/2012
- Is the new operator registered in the State of Utah: Business Number: 2114377-0181
- (R649-9-2) Waste Management Plan has been received on: Yes
- Inspections of LA PA state/fee well sites complete on: N/A
- Reports current for Production/Disposition & Sundries on: 6/25/2012
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM N/A BIA Not Received
- Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: N/A
- Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
- Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to **Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: Second Oper Chg

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 6/29/2012
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 6/29/2012
- Bond information entered in RBDMS on: 6/29/2012
- Fee/State wells attached to bond in RBDMS on: 6/29/2012
- Injection Projects to new operator in RBDMS on: 6/29/2012
- Receipt of Acceptance of Drilling Procedures for APD/New on: N/A

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: 103601420
- Indian well(s) covered by Bond Number: 103601473
- (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 400JU0705
- The **FORMER** operator has requested a release of liability from their bond on: N/A

LEASE INTEREST OWNER NOTIFICATION:

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 6/29/2012

COMMENTS:

Disposal and Injections wells will be moved when UIC 5 is received.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

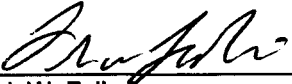
1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: Multiple Leases
2. NAME OF OPERATOR: El Paso E&P Company, L.P. Attn: Maria Gomez		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1001 Louisiana CITY Houston STATE TX ZIP 77002		7. UNIT or CA AGREEMENT NAME:
PHONE NUMBER: (713) 997-5038		8. WELL NAME and NUMBER: See Attached
9. API NUMBER:		10. FIELD AND POOL, OR WILDCAT: See Attached
4. LOCATION OF WELL FOOTAGES AT SURFACE: See Attached		COUNTY:
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		STATE: UTAH

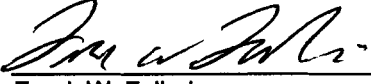
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: Change of
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	Name/Operator

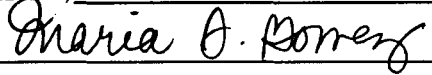
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Please be advised that El Paso E&P Company, L.P. (current Operator) has changed names to EP Energy E&P Company, L.P. (new Operator) effective June 1, 2012 and that EP Energy E&P Company, L.P. is considered the new operator of the attached well locations.

EP Energy E&P Company, L.P. is responsible under the terms and conditions of the lease(s) for the operations conducted upon leased lands. Bond coverage is provided by the State of Utah Statewide Blanket Bond No. 400JU0705, Bureau of Land Management Nationwide Bond No. 103601420, and Bureau of Indian Affairs Nationwide Bond No. 103601473.


Frank W. Falleri
Vice President
El Paso E&P Company, L.P.

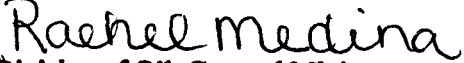

Frank W. Falleri
Sr. Vice President
EP Energy E&P Company, L.P.

NAME (PLEASE PRINT) Maria S. Gomez	TITLE Principal Regulatory Analyst
SIGNATURE 	DATE 6/22/2012

(This space for State use only)

RECEIVED

JUN 25 2012

APPROVED 6/29/2012

Rachel Medina
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician
Rachel Medina

(See Instructions on Reverse Side)

DIV. OF OIL, GAS & MINING

Well Name	Sec	TWP	RNG	API Number	Entity	Lease Type	Well Type	Well Status	Conf
DWR 3-17C6	17	030S	060W	4301350070		14204621118	OW	APD	C
LAKEWOOD ESTATES 3-33C6	33	030S	060W	4301350127		1420H621328	OW	APD	C
YOUNG 3-15A3	15	010S	030W	4301350122		FEE	OW	APD	C
WHITING 4-1A2	01	010S	020W	4301350424		Fee	OW	APD	C
EL PASO 4-34A4	34	010S	040W	4301350720		Fee	OW	APD	C
YOUNG 2-2B1	02	020S	010W	4304751180		FEE	OW	APD	C
LAKE FORK RANCH 3-10B4	10	020S	040W	4301350712	18221	Fee	OW	DRL	C
LAKE FORK RANCH 4-26B4	26	020S	040W	4301350714	18432	Fee	OW	DRL	C
LAKE FORK RANCH 4-24B4	24	020S	040W	4301350717	18315	Fee	OW	DRL	C
Cook 4-14B3	14	020S	030W	4301351162	18449	Fee	OW	DRL	C
Peterson 4-22C6	22	030S	060W	4301351163	18518	Fee	OW	DRL	C
Lake Fork Ranch 4-14B4	14	020S	040W	4301351240	99999	Fee	OW	DRL	C
Melesco 4-20C6	20	030S	060W	4301351241	99999	Fee	OW	DRL	C
Peck 3-13B5	13	020S	050W	4301351364	99999	Fee	OW	DRL	C
Jensen 2-9C4	09	030S	040W	4301351375	99999	Fee	OW	DRL	C
El Paso 3-5C4	05	030S	040W	4301351376	18563	Fee	OW	DRL	C
ULT 6-31	31	030S	020E	4304740033		FEE	OW	LA	
OBERHANSKY 2-2A1	02	010S	010W	4304740164		FEE	OW	LA	
DWR 3-15C6	15	030S	060W	4301351433		14-20-H62-4724	OW	NEW	C
Lake Fork Ranch 5-23B4	23	020S	040W	4301350739		Fee	OW	NEW	
Duchesne Land 4-10C5	10	030S	050W	4301351262		Fee	OW	NEW	C
Cabinland 4-9B3	09	020S	030W	4301351374		Fee	OW	NEW	C
Layton 4-2B3	02	020S	030W	4301351389		Fee	OW	NEW	C
Golinski 4-24B5	24	020S	050W	4301351404		Fee	OW	NEW	C
Alba 1-21C4	21	030S	040W	4301351460		Fee	OW	NEW	C
Allison 4-19C5	19	030S	050W	4301351466		Fee	OW	NEW	C
Seeley 4-3B3	03	020S	030W	4301351486		Fee	OW	NEW	C
Allen 4-25B5	25	020S	050W	4301351487		Fee	OW	NEW	C
Hewett 2-6C4	06	030S	040W	4301351489		Fee	OW	NEW	C
Young 2-7C4	07	030S	040W	4301351500		Fee	OW	NEW	C
Brighton 3-31A1E	31	010S	010E	4304752471		Fee	OW	NEW	C
Hamaker 3-25A1	25	010S	010W	4304752491		Fee	OW	NEW	C
Bolton 3-29A1E	29	010S	010E	4304752871		Fee	OW	NEW	C
HORROCKS 5-20A1	20	010S	010W	4301334280	17378	FEE	OW	OPS	C
DWR 3-19C6	19	030S	060W	4301334263	17440	14-20-462-1120	OW	P	
DWR 3-22C6	22	030S	060W	4301334106	17298	14-20-462-1131	OW	P	
DWR 3-28C6	28	030S	060W	4301334264	17360	14-20-462-1323	OW	P	
UTE 1-7A2	07	010S	020W	4301330025	5850	14-20-462-811	OW	P	
UTE 2-17C6	17	030S	060W	4301331033	10115	14-20-H62-1118	OW	P	
WLR TRIBAL 2-19C6	19	030S	060W	4301331035	10250	14-20-H62-1120	OW	P	
CEDAR RIM 10-A-15C6	15	030S	060W	4301330615	6420	14-20-H62-1128	OW	P	
CEDAR RIM 12A	28	030S	060W	4301331173	10672	14-20-H62-1323	OW	P	
UTE-FEE 2-33C6	33	030S	060W	4301331123	10365	14-20-H62-1328	OW	P	
TAYLOR 3-34C6	34	030S	060W	4301350200	17572	1420H621329	OW	P	
BAKER UTE 2-34C6	34	030S	060W	4301332634	14590	14-20-H62-1329	OW	P	
UTE 3-35Z2 K	35	010N	020W	4301331133	10483	14-20-H62-1614	OW	P	
UTE 1-32Z2	32	010N	020W	4301330379	1915	14-20-H62-1702	OW	P	
UTE TRIBAL 1-33Z2	33	010N	020W	4301330334	1851	14-20-H62-1703	OW	P	
UTE 2-33Z2	33	010N	020W	4301331111	10451	14-20-H62-1703	OW	P	
UTE TRIBAL 2-34Z2	34	010N	020W	4301331167	10668	14-20-H62-1704	OW	P	
LAKE FORK RANCH 3-13B4	13	020S	040W	4301334262	17439	14-20-H62-1743	OW	P	
UTE 1-28B4	28	020S	040W	4301330242	1796	14-20-H62-1745	OW	P	
UTE 1-34A4	34	010S	040W	4301330076	1585	14-20-H62-1774	OW	P	
UTE 1-36A4	36	010S	040W	4301330069	1580	14-20-H62-1793	OW	P	
UTE 1-1B4	01	020S	040W	4301330129	1700	14-20-H62-1798	OW	P	
UTE 1-31A2	31	010S	020W	4301330401	1925	14-20-H62-1801	OW	P	

UTE 1-25A3	25	010S	030W	4301330370	1920	14-20-H62-1802	OW	P	
UTE 2-25A3	25	010S	030W	4301331343	11361	14-20-H62-1802	OW	P	
UTE 1-26A3	26	010S	030W	4301330348	1890	14-20-H62-1803	OW	P	
UTE 2-26A3	26	010S	030W	4301331340	11349	14-20-H62-1803	OW	P	
UTE TRIBAL 4-35A3	35	010S	030W	4301350274	18009	1420H621804	OW	P	C
UTE 2-35A3	35	010S	030W	4301331292	11222	14-20-H62-1804	OW	P	
UTE 3-35A3	35	010S	030W	4301331365	11454	14-20-H62-1804	OW	P	
UTE 1-6B2	06	020S	020W	4301330349	1895	14-20-H62-1807	OW	P	
UTE 2-6B2	06	020S	020W	4301331140	11190	14-20-H62-1807	OW	P	
UTE TRIBAL 3-6B2	06	020S	020W	4301350273	18008	14-20-H62-1807	OW	P	C
POWELL 4-19A1	19	010S	010W	4301330071	8302	14-20-H62-1847	OW	P	
COLTHARP 1-27Z1	27	010N	010W	4301330151	4700	14-20-H62-1933	OW	P	
UTE 1-8A1E	08	010S	010E	4304730173	1846	14-20-H62-2147	OW	P	
UTE TRIBE 1-31	31	010N	020W	4301330278	4755	14-20-H62-2421	OW	P	
UTE 1-28B6X	28	020S	060W	4301330510	11165	14-20-H62-2492	OW	P	
RINKER 2-21B5	21	020S	050W	4301334166	17299	14-20-H62-2508	OW	P	
MURDOCK 2-34B5	34	020S	050W	4301331132	10456	14-20-H62-2511	OW	P	
UTE 1-35B6	35	020S	060W	4301330507	2335	14-20-H62-2531	OW	P	
UTE TRIBAL 1-17A1E	17	010S	010E	4304730829	860	14-20-H62-2658	OW	P	
UTE 2-17A1E	17	010S	010E	4304737831	16709	14-20-H62-2658	OW	P	
UTE TRIBAL 1-27A1E	27	010S	010E	4304730421	800	14-20-H62-2662	OW	P	
UTE TRIBAL 1-35A1E	35	010S	010E	4304730286	795	14-20-H62-2665	OW	P	
UTE TRIBAL 1-15A1E	15	010S	010E	4304730820	850	14-20-H62-2717	OW	P	
UTE TRIBAL P-3B1E	03	020S	010E	4304730190	4536	14-20-H62-2873	OW	P	
UTE TRIBAL 1-22A1E	22	010S	010E	4304730429	810	14-20-H62-3103	OW	P	
B H UTE 1-35C6	35	030S	060W	4301330419	10705	14-20-H62-3436	OW	P	
BH UTE 2-35C6	35	030S	060W	4301332790	15802	14-20-H62-3436	OW	P	
MCFARLANE 1-4D6	04	040S	060W	4301331074	10325	14-20-H62-3452	OW	P	
UTE TRIBAL 1-11D6	11	040S	060W	4301330482	6415	14-20-H62-3454	OW	P	
CARSON 2-36A1	36	010S	010W	4304731407	737	14-20-H62-3806	OW	P	
UTE 2-14C6	14	030S	060W	4301330775	9133	14-20-H62-3809	OW	P	
DWR 3-14C6	14	030S	060W	4301334003	17092	14-20-H62-3809	OW	P	
THE PERFECT "10" 1-10A1	10	010S	010W	4301330935	9461	14-20-H62-3855	OW	P	
BADGER-SAM H U MONGUS 1-15A1	15	010S	010W	4301330949	9462	14-20-H62-3860	OW	P	
MAXIMILLIAN-UTE 14-1	14	010S	030W	4301330726	8437	14-20-H62-3868	OW	P	
FRED BASSETT 1-22A1	22	010S	010W	4301330781	9460	14-20-H62-3880	OW	P	
UTE TRIBAL 1-30Z1	30	010N	010W	4301330813	9405	14-20-H62-3910	OW	P	
UTE LB 1-13A3	13	010S	030W	4301330894	9402	14-20-H62-3980	OW	P	
UTE 2-22B6	22	020S	060W	4301331444	11641	14-20-H62-4614	OW	P	
UINTA OURAY 1-1A3	01	010S	030W	4301330132	5540	14-20-H62-4664	OW	P	
UTE 1-6D6	06	040S	060W	4301331696	12058	14-20-H62-4752	OW	P	
UTE 2-11D6	11	040S	060W	4301350179	17667	1420H624801	OW	P	
UTE 1-15D6	15	040S	060W	4301330429	10958	14-20-H62-4824	OW	P	
UTE 2-15D6	15	040S	060W	4301334026	17193	14-20-H62-4824	OW	P	
HILL 3-24C6	24	030S	060W	4301350293	18020	1420H624866	OW	P	C
BARCLAY UTE 2-24C6R	24	030S	060W	4301333730	16385	14-20-H62-4866	OW	P	
BROTHERSON 1-2B4	02	020S	040W	4301330062	1570	FEE	OW	P	
BOREN 1-24A2	24	010S	020W	4301330084	5740	FEE	OW	P	
FARNSWORTH 1-13B5	13	020S	050W	4301330092	1610	FEE	OW	P	
BROADHEAD 1-21B6	21	020S	060W	4301330100	1595	FEE	OW	P	
ASAY E J 1-20A1	20	010S	010W	4301330102	8304	FEE	OW	P	
HANSON TRUST 1-5B3	05	020S	030W	4301330109	1635	FEE	OW	P	
ELLSWORTH 1-8B4	08	020S	040W	4301330112	1655	FEE	OW	P	
ELLSWORTH 1-9B4	09	020S	040W	4301330118	1660	FEE	OW	P	
ELLSWORTH 1-17B4	17	020S	040W	4301330126	1695	FEE	OW	P	
CHANDLER 1-5B4	05	020S	040W	4301330140	1685	FEE	OW	P	
HANSON 1-32A3	32	010S	030W	4301330141	1640	FEE	OW	P	
JESSEN 1-17A4	17	010S	040W	4301330173	4725	FEE	OW	P	

JENKINS 1-1B3	01	020S	030W	4301330175	1790	FEE	OW	P	
GOODRICH 1-2B3	02	020S	030W	4301330182	1765	FEE	OW	P	
ELLSWORTH 1-19B4	19	020S	040W	4301330183	1760	FEE	OW	P	
DOYLE 1-10B3	10	020S	030W	4301330187	1810	FEE	OW	P	
JOS. SMITH 1-17C5	17	030S	050W	4301330188	5510	FEE	OW	P	
RUDY 1-11B3	11	020S	030W	4301330204	1820	FEE	OW	P	
CROOK 1-6B4	06	020S	040W	4301330213	1825	FEE	OW	P	
HUNT 1-21B4	21	020S	040W	4301330214	1840	FEE	OW	P	
LAWRENCE 1-30B4	30	020S	040W	4301330220	1845	FEE	OW	P	
YOUNG 1-29B4	29	020S	040W	4301330246	1791	FEE	OW	P	
GRIFFITHS 1-33B4	33	020S	040W	4301330288	4760	FEE	OW	P	
POTTER 1-2B5	02	020S	050W	4301330293	1826	FEE	OW	P	
BROTHERSON 1-26B4	26	020S	040W	4301330336	1856	FEE	OW	P	
SADIE BLANK 1-33Z1	33	010N	010W	4301330355	765	FEE	OW	P	
POTTER 1-24B5	24	020S	050W	4301330356	1730	FEE	OW	P	
WHITEHEAD 1-22A3	22	010S	030W	4301330357	1885	FEE	OW	P	
CHASEL MILLER 2-1A2	01	010S	020W	4301330360	5830	FEE	OW	P	
ELDER 1-13B2	13	020S	020W	4301330366	1905	FEE	OW	P	
BROTHERSON 2-10B4	10	020S	040W	4301330443	1615	FEE	OW	P	
FARNSWORTH 2-7B4	07	020S	040W	4301330470	1935	FEE	OW	P	
TEW 1-15A3	15	010S	030W	4301330529	1945	FEE	OW	P	
UTE FEE 2-20C5	20	030S	050W	4301330550	4527	FEE	OW	P	
HOUSTON 1-34Z1	34	010N	010W	4301330566	885	FEE	OW	P	
GALLOWAY 1-18B1	18	020S	010W	4301330575	2365	FEE	OW	P	
SMITH 1-31B5	31	020S	050W	4301330577	1955	FEE	OW	P	
LEBEAU 1-34A1	34	010S	010W	4301330590	1440	FEE	OW	P	
LINMAR 1-19B2	19	020S	020W	4301330600	9350	FEE	OW	P	
WISSE 1-28Z1	28	010N	010W	4301330609	905	FEE	OW	P	
POWELL 1-21B1	21	020S	010W	4301330621	910	FEE	OW	P	
HANSEN 1-24B3	24	020S	030W	4301330629	2390	FEE	OW	P	
OMAN 2-4B4	04	020S	040W	4301330645	9125	FEE	OW	P	
DYE 1-25Z2	25	010N	020W	4301330659	9111	FEE	OW	P	
H MARTIN 1-21Z1	21	010N	010W	4301330707	925	FEE	OW	P	
JENSEN 1-29Z1	29	010N	010W	4301330725	9110	FEE	OW	P	
CHASEL 2-17A1 V	17	010S	010W	4301330732	9112	FEE	OW	P	
BIRCHELL 1-27A1	27	010S	010W	4301330758	940	FEE	OW	P	
CHRISTENSEN 2-8B3	08	020S	030W	4301330780	9355	FEE	OW	P	
LAMICQ 2-5B2	05	020S	020W	4301330784	2302	FEE	OW	P	
BROTHERSON 2-14B4	14	020S	040W	4301330815	10450	FEE	OW	P	
MURRAY 3-2A2	02	010S	020W	4301330816	9620	FEE	OW	P	
HORROCKS 2-20A1 V	20	010S	010W	4301330833	8301	FEE	OW	P	
BROTHERSON 2-2B4	02	020S	040W	4301330855	8420	FEE	OW	P	
ELLSWORTH 2-8B4	08	020S	040W	4301330898	2418	FEE	OW	P	
OMAN 2-32A4	32	010S	040W	4301330904	10045	FEE	OW	P	
BELCHER 2-33B4	33	020S	040W	4301330907	9865	FEE	OW	P	
BROTHERSON 2-35B5	35	020S	050W	4301330908	9404	FEE	OW	P	
HORROCKS 2-4A1 T	04	010S	010W	4301330954	9855	FEE	OW	P	
JENSEN 2-29A5	29	010S	050W	4301330974	10040	FEE	OW	P	
UTE 2-34A4	34	010S	040W	4301330978	10070	FEE	OW	P	
CHANDLER 2-5B4	05	020S	040W	4301331000	10075	FEE	OW	P	
BABCOCK 2-12B4	12	020S	040W	4301331005	10215	FEE	OW	P	
BADGER MR BOOM BOOM 2-29A1	29	010S	010W	4301331013	9463	FEE	OW	P	
BLEAZARD 2-18B4	18	020S	040W	4301331025	1566	FEE	OW	P	
BROADHEAD 2-32B5	32	020S	050W	4301331036	10216	FEE	OW	P	
ELLSWORTH 2-16B4	16	020S	040W	4301331046	10217	FEE	OW	P	
RUST 3-4B3	04	020S	030W	4301331070	1576	FEE	OW	P	
HANSON TRUST 2-32A3	32	010S	030W	4301331072	1641	FEE	OW	P	
BROTHERSON 2-11B4	11	020S	040W	4301331078	1541	FEE	OW	P	

HANSON TRUST 2-5B3	05	020S	030W	4301331079	1636	FEE	OW	P	
BROTHERSON 2-15B4	15	020S	040W	4301331103	1771	FEE	OW	P	
MONSEN 2-27A3	27	010S	030W	4301331104	1746	FEE	OW	P	
ELLSWORTH 2-19B4	19	020S	040W	4301331105	1761	FEE	OW	P	
HUNT 2-21B4	21	020S	040W	4301331114	1839	FEE	OW	P	
JENKINS 2-1B3	01	020S	030W	4301331117	1792	FEE	OW	P	
POTTER 2-24B5	24	020S	050W	4301331118	1731	FEE	OW	P	
POWELL 2-13A2 K	13	010S	020W	4301331120	8306	FEE	OW	P	
JENKINS 2-12B3	12	020S	030W	4301331121	10459	FEE	OW	P	
MURDOCK 2-26B5	26	020S	050W	4301331124	1531	FEE	OW	P	
BIRCH 3-27B5	27	020S	050W	4301331126	1783	FEE	OW	P	
ROBB 2-29B5	29	020S	050W	4301331130	10454	FEE	OW	P	
LAKE FORK 2-13B4	13	020S	040W	4301331134	10452	FEE	OW	P	
DUNCAN 3-1A2 K	01	010S	020W	4301331135	10484	FEE	OW	P	
HANSON 2-9B3	09	020S	030W	4301331136	10455	FEE	OW	P	
ELLSWORTH 2-9B4	09	020S	040W	4301331138	10460	FEE	OW	P	
UTE 2-31A2	31	010S	020W	4301331139	10458	FEE	OW	P	
POWELL 2-19A1 K	19	010S	010W	4301331149	8303	FEE	OW	P	
CEDAR RIM 8-A	22	030S	060W	4301331171	10666	FEE	OW	P	
POTTER 2-6B4	06	020S	040W	4301331249	11038	FEE	OW	P	
MILES 2-1B5	01	020S	050W	4301331257	11062	FEE	OW	P	
MILES 2-3B3	03	020S	030W	4301331261	11102	FEE	OW	P	
MONSEN 2-22A3	22	010S	030W	4301331265	11098	FEE	OW	P	
WRIGHT 2-13B5	13	020S	050W	4301331267	11115	FEE	OW	P	
TODD 2-21A3	21	010S	030W	4301331296	11268	FEE	OW	P	
WEIKART 2-29B4	29	020S	040W	4301331298	11332	FEE	OW	P	
YOUNG 2-15A3	15	010S	030W	4301331301	11344	FEE	OW	P	
CHRISTENSEN 2-29A4	29	010S	040W	4301331303	11235	FEE	OW	P	
BLEAZARD 2-28B4	28	020S	040W	4301331304	11433	FEE	OW	P	
REARY 2-17A3	17	010S	030W	4301331318	11251	FEE	OW	P	
LAZY K 2-11B3	11	020S	030W	4301331352	11362	FEE	OW	P	
LAZY K 2-14B3	14	020S	030W	4301331354	11452	FEE	OW	P	
MATTHEWS 2-13B2	13	020S	020W	4301331357	11374	FEE	OW	P	
LAKE FORK 3-15B4	15	020S	040W	4301331358	11378	FEE	OW	P	
STEVENSON 3-29A3	29	010S	030W	4301331376	11442	FEE	OW	P	
MEEKS 3-8B3	08	020S	030W	4301331377	11489	FEE	OW	P	
ELLSWORTH 3-20B4	20	020S	040W	4301331389	11488	FEE	OW	P	
DUNCAN 5-13A2	13	010S	020W	4301331516	11776	FEE	OW	P	
OWL 3-17C5	17	030S	050W	4301332112	12476	FEE	OW	P	
BROTHERSON 2-24 B4	24	020S	040W	4301332695	14652	FEE	OW	P	
BODRERO 2-15B3	15	020S	030W	4301332755	14750	FEE	OW	P	
BROTHERSON 2-25B4	25	020S	040W	4301332791	15044	FEE	OW	P	
CABINLAND 2-16B3	16	020S	030W	4301332914	15236	FEE	OW	P	
KATHERINE 3-29B4	29	020S	040W	4301332923	15331	FEE	OW	P	
SHRINERS 2-10C5	10	030S	050W	4301333008	15908	FEE	OW	P	
BROTHERSON 2-26B4	26	020S	040W	4301333139	17047	FEE	OW	P	
MORTENSEN 4-32A2	32	010S	020W	4301333211	15720	FEE	OW	P	
FERRARINI 3-27B4	27	020S	040W	4301333265	15883	FEE	OW	P	
RHOADES 2-25B5	25	020S	050W	4301333467	16046	FEE	OW	P	
CASE 2-31B4	31	020S	040W	4301333548	16225	FEE	OW	P	
ANDERSON-ROWLEY 2-24B3	24	020S	030W	4301333616	16284	FEE	OW	P	
SPROUSE BOWDEN 2-18B1	18	020S	010W	4301333808	16677	FEE	OW	P	
BROTHERSON 3-11B4	11	020S	040W	4301333904	16891	FEE	OW	P	
KOFFORD 2-36B5	36	020S	050W	4301333988	17048	FEE	OW	P	
ALLEN 3-7B4	07	020S	040W	4301334027	17166	FEE	OW	P	
BOURNAKIS 3-18B4	18	020S	040W	4301334091	17264	FEE	OW	P	
MILES 3-12B5	12	020S	050W	4301334110	17316	FEE	OW	P	
OWL and HAWK 2-31B5	31	020S	050W	4301334123	17388	FEE	OW	P	

OWL and HAWK 4-17C5	17	030S	050W	4301334193	17387	FEE	OW	P	
DWR 3-32B5	32	020S	050W	4301334207	17371	FEE	OW	P	
LAKE FORK RANCH 3-22B4	22	020S	040W	4301334261	17409	FEE	OW	P	
HANSON 3-9B3	09	020S	030W	4301350065	17570	FEE	OW	P	
DYE 2-28A1	28	010S	010W	4301350066	17531	FEE	OW	P	
MEEKS 3-32A4	32	010S	040W	4301350069	17605	FEE	OW	P	
HANSON 4-8B3	08	020S	030W	4301350088	17571	FEE	OW	P	C
LAKE FORK RANCH 3-14B4	14	020S	040W	4301350097	17484	FEE	OW	P	
ALLEN 3-9B4	09	020S	040W	4301350123	17656	FEE	OW	P	
HORROCKS 4-20A1	20	010S	010W	4301350155	17916	FEE	OW	P	
HURLEY 2-33A1	33	010S	010W	4301350166	17573	FEE	OW	P	
HUTCHINS/CHIODO 3-20C5	20	030S	050W	4301350190	17541	FEE	OW	P	
ALLEN 3-8B4	08	020S	040W	4301350192	17622	FEE	OW	P	
OWL and HAWK 3-10C5	10	030S	050W	4301350193	17532	FEE	OW	P	
OWL and HAWK 3-19C5	19	030S	050W	4301350201	17508	FEE	OW	P	
EL PASO 4-29B5	29	020S	050W	4301350208	17934	FEE	OW	P	C
DONIHUE 3-20C6	20	030S	060W	4301350270	17762	FEE	OW	P	
HANSON 3-5B3	05	020S	030W	4301350275	17725	FEE	OW	P	C
SPRATT 3-26B5	26	020S	050W	4301350302	17668	FEE	OW	P	
REBEL 3-35B5	35	020S	050W	4301350388	17911	FEE	OW	P	C
FREEMAN 4-16B4	16	020S	040W	4301350438	17935	Fee	OW	P	C
WILSON 3-36B5	36	020S	050W	4301350439	17936	Fee	OW	P	C
EL PASO 3-21B4	21	020S	040W	4301350474	18123	Fee	OW	P	C
IORG 4-12B3	12	020S	030W	4301350487	17981	Fee	OW	P	C
CONOVER 3-3B3	03	020S	030W	4301350526	18122	Fee	OW	P	C
ROWLEY 3-16B4	16	020S	040W	4301350569	18151	Fee	OW	P	C
POTTS 3-14B3	14	020S	030W	4301350570	18366	Fee	OW	P	C
POTTER 4-27B5	27	020S	050W	4301350571	99999	Fee	OW	P	C
EL PASO 4-21B4	21	020S	040W	4301350572	18152	Fee	OW	P	C
LAKE FORK RANCH 3-26B4	26	020S	040W	4301350707	18270	Fee	OW	P	C
LAKE FORK RANCH 3-25B4	25	020S	040W	4301350711	18220	Fee	OW	P	C
LAKE FORK RANCH 4-23B4	23	020S	040W	4301350713	18271	Fee	OW	P	C
LAKE FORK RANCH 4-15B4	15	020S	040W	4301350715	18314	Fee	OW	P	C
LAKE FORK RANCH 3-24B4	24	020S	040W	4301350716	18269	Fee	OW	P	C
GOLINSKI 1-8C4	08	030S	040W	4301350986	18301	Fee	OW	P	C
J ROBERTSON 1-1B1	01	020S	010W	4304730174	5370	FEE	OW	P	
TIMOTHY 1-8B1E	08	020S	010E	4304730215	1910	FEE	OW	P	
MAGDALENE PAPADOPULOS 1-34A1E	34	010S	010E	4304730241	785	FEE	OW	P	
NELSON 1-31A1E	31	010S	010E	4304730671	830	FEE	OW	P	
ROSEMARY LLOYD 1-24A1E	24	010S	010E	4304730707	840	FEE	OW	P	
H D LANDY 1-30A1E	30	010S	010E	4304730790	845	FEE	OW	P	
WALKER 1-14A1E	14	010S	010E	4304730805	855	FEE	OW	P	
BOLTON 2-29A1E	29	010S	010E	4304731112	900	FEE	OW	P	
PRESCOTT 1-35Z1	35	010N	010W	4304731173	1425	FEE	OW	P	
BISEL GURR 11-1	11	010S	010W	4304731213	8438	FEE	OW	P	
UTE TRIBAL 2-22A1E	22	010S	010E	4304731265	915	FEE	OW	P	
L. BOLTON 1-12A1	12	010S	010W	4304731295	920	FEE	OW	P	
FOWLES 1-26A1	26	010S	010W	4304731296	930	FEE	OW	P	
BRADLEY 23-1	23	010S	010W	4304731297	8435	FEE	OW	P	
BASTIAN 1-2A1	02	010S	010W	4304731373	736	FEE	OW	P	
D R LONG 2-19A1E	19	010S	010E	4304731470	9505	FEE	OW	P	
D MOON 1-23Z1	23	010N	010W	4304731479	10310	FEE	OW	P	
O MOON 2-26Z1	26	010N	010W	4304731480	10135	FEE	OW	P	
LILA D 2-25A1	25	010S	010W	4304731797	10790	FEE	OW	P	
LANDY 2-30A1E	30	010S	010E	4304731895	11127	FEE	OW	P	
WINN P2-3B1E	03	020S	010E	4304732321	11428	FEE	OW	P	
BISEL-GURR 2-11A1	11	010S	010W	4304735410	14428	FEE	OW	P	
FLYING J FEE 2-12A1	12	010S	010W	4304739467	16686	FEE	OW	P	

HARVEST FELLOWSHIP CHURCH 2-14B1	14	020S	010W	4304739591	16546	FEE	OW	P	
OBERHANSKY 3-11A1	11	010S	010W	4304739679	17937	FEE	OW	P	
DUNCAN 2-34A1	34	010S	010W	4304739944	17043	FEE	OW	P	
BISEL GURR 4-11A1	11	010S	010W	4304739961	16791	FEE	OW	P	
KILLIAN 3-12A1	12	010S	010W	4304740226	17761	ML 39760	OW	P	
WAINOCO ST 1-14B1	14	020S	010W	4304730818	1420	ML-24306-A	OW	P	
UTAH ST UTE 1-35A1	35	010S	010W	4304730182	5520	ML-25432	OW	P	
STATE 1-19A4	19	010S	040W	4301330322	9118	ML-27912	OW	P	
FEDERAL 2-28E19E	28	050S	190E	4304732849	12117	UTU-0143512	OW	P	
FEDERAL 1-28E19E	28	050S	190E	4304730175	5680	UTU143512	OW	P	
BLANCHARD 1-3A2	03	010S	020W	4301320316	5877	FEE	OW	PA	
W H BLANCHARD 2-3A2	03	010S	020W	4301330008	5775	FEE	OW	PA	
YACK U 1-7A1	07	010S	010W	4301330018	5795	FEE	OW	PA	
JAMES POWELL 3	13	010S	020W	4301330024	8305	FEE	WD	PA	
BASTIAN 1 (3-7D)	07	010S	010W	4301330026	5800	FEE	OW	PA	
LAMICQ-URRUTY 1-8A2	08	010S	020W	4301330036	5975	FEE	OW	PA	
BLEAZARD 1-18B4	18	020S	040W	4301330059	11262	FEE	OW	PA	
OLSEN 1-27A4	27	010S	040W	4301330064	1565	FEE	OW	PA	
EVANS 1-31A4	31	010S	040W	4301330067	5330	FEE	OW	PA	
HAMBLIN 1-26A2	26	010S	020W	4301330083	2305	FEE	OW	PA	
HARTMAN 1-31A3	31	010S	030W	4301330093	10700	FEE	OW	PA	
FARNSWORTH 1-7B4	07	020S	040W	4301330097	5725	FEE	OW	PA	
POWELL 1-33A3	33	010S	030W	4301330105	4526	FEE	OW	PA	
LOTRIDGE GATES 1-3B3	03	020S	030W	4301330117	1625	FEE	OW	PA	
REMINGTON 1-34A3	34	010S	030W	4301330139	1670	FEE	OW	PA	
ANDERSON 1-28A2	28	010S	020W	4301330150	5895	FEE	OW	PA	
RHOADES MOON 1-35B5	35	020S	050W	4301330155	5270	FEE	OW	PA	
JOHN 1-3B2	03	020S	020W	4301330160	5765	FEE	OW	PA	
SMITH 1-6C5	06	030S	050W	4301330163	5385	FEE	OW	PA	
HORROCKS FEE 1-3A1	03	010S	010W	4301330171	5505	FEE	OW	PA	
WARREN 1-32A4	32	010S	040W	4301330174	9139	FEE	OW	PA	
JENSEN FENZEL 1-20C5	20	030S	050W	4301330177	4730	FEE	OW	PA	
MYRIN RANCH 1-13B4	13	020S	040W	4301330180	4524	FEE	OW	PA	
BROTHERSON 1-27B4	27	020S	040W	4301330185	1775	FEE	OW	PA	
JENSEN 1-31A5	31	010S	050W	4301330186	4735	FEE	OW	PA	
ROBERTSON 1-29A2	29	010S	020W	4301330189	4740	FEE	OW	PA	
WINKLER 1-28A3	28	010S	030W	4301330191	5465	FEE	OW	PA	
CHENEY 1-33A2	33	010S	020W	4301330202	1750	FEE	OW	PA	
J LAMICQ STATE 1-6B1	06	020S	010W	4301330210	5730	FEE	OW	PA	
REESE ESTATE 1-10B2	10	020S	020W	4301330215	5700	FEE	OW	PA	
REEDER 1-17B5	17	020S	050W	4301330218	5460	FEE	OW	PA	
ROBERTSON UTE 1-2B2	02	020S	020W	4301330225	1710	FEE	OW	PA	
HATCH 1-5B1	05	020S	010W	4301330226	5470	FEE	OW	PA	
BROTHERSON 1-22B4	22	020S	040W	4301330227	5935	FEE	OW	PA	
ALLRED 1-16A3	16	010S	030W	4301330232	1780	FEE	OW	PA	
BIRCH 1-35A5	35	010S	050W	4301330233	9116	FEE	OW	PA	
MARQUERITE UTE 1-8B2	08	020S	020W	4301330235	9122	FEE	OW	PA	
BUZZI 1-11B2	11	020S	020W	4301330248	6335	FEE	OW	PA	
SHISLER 1-3B1	03	020S	010W	4301330249	5960	FEE	OW	PA	
TEW 1-1B5	01	020S	050W	4301330264	5580	FEE	OW	PA	
EVANS UTE 1-19B3	19	020S	030W	4301330265	1870	FEE	OW	PA	
SHELL 2-27A4	27	010S	040W	4301330266	1776	FEE	WD	PA	
DYE 1-29A1	29	010S	010W	4301330271	99990	FEE	OW	PA	
VODA UTE 1-4C5	04	030S	050W	4301330283	4530	FEE	OW	PA	
BROTHERSON 1-28A4	28	010S	040W	4301330292	9114	FEE	OW	PA	
MEAGHER 1-4B2	04	020S	020W	4301330313	8402	FEE	OW	PA	
NORLING 1-9B1	09	020S	010W	4301330315	1811	FEE	OW	PA	
S. BROADHEAD 1-9C5	09	030S	050W	4301330316	5940	FEE	OW	PA	

TIMOTHY 1-09A3	09	010S	030W	4301330321	10883	FEE	OW	PA
BARRETT 1-34A5	34	010S	050W	4301330323	9115	FEE	OW	PA
MEAGHER TRIBAL 1-9B2	09	020S	020W	4301330325	9121	FEE	OW	PA
PHILLIPS UTE 1-3C5	03	030S	050W	4301330333	1816	FEE	OW	PA
ELLSWORTH 1-20B4	20	020S	040W	4301330351	6375	FEE	OW	PA
LAWSON 1-28A1	28	010S	010W	4301330358	5915	FEE	OW	PA
AMES 1-23A4	23	010S	040W	4301330375	1901	FEE	OW	PA
HORROCKS 1-6A1	06	010S	010W	4301330390	5675	FEE	OW	PA
SHRINE HOSPITAL 1-10C5	10	030S	050W	4301330393	5565	FEE	OW	PA
GOODRICH 1-18B2	18	020S	020W	4301330397	5485	FEE	OW	PA
SWD POWELL 3	13	010S	020W	4301330478	10708	FEE	WD	PA
BODRERO 1-15B3	15	020S	030W	4301330565	4534	FEE	OW	PA
MOON TRIBAL 1-30C4	30	030S	040W	4301330576	2360	FEE	OW	PA
DUNCAN 2-9B5	09	020S	050W	4301330719	5440	FEE	OW	PA
FISHER 1-16A4	16	010S	040W	4301330737	2410	FEE	OW	PA
URRUTY 2-34A2	34	010S	020W	4301330753	9117	FEE	OW	PA
GOODRICH 1-24A4	24	010S	040W	4301330760	2415	FEE	OW	PA
CARL SMITH 2-25A4	25	010S	040W	4301330776	9136	FEE	OW	PA
ANDERSON 1-A30B1	30	020S	010W	4301330783	9137	FEE	OW	PA
CADILLAC 3-6A1	06	010S	010W	4301330834	6316	FEE	OW	PA
MCELPRANG 2-31A1	31	010S	010W	4301330836	8439	FEE	OW	PA
REESE ESTATE 2-10B2	10	020S	020W	4301330837	2417	FEE	OW	PA
CLARK 2-9A3	09	010S	030W	4301330876	2416	FEE	OW	PA
JENKINS 3-16A3	16	010S	030W	4301330877	9790	FEE	OW	PA
CHRISTENSEN 2-26A5	26	010S	050W	4301330905	10710	FEE	OW	PA
FORD 2-36A5	36	010S	050W	4301330911	9630	FEE	OW	PA
MORTENSEN 2-32A2	32	010S	020W	4301330929	9486	FEE	OW	PA
WILKERSON 1-20Z1	20	010N	010W	4301330942	5452	FEE	OW	PA
UTE TRIBAL 2-4A3 S	04	010S	030W	4301330950	10230	FEE	OW	PA
OBERHANSKY 2-31Z1	31	010N	010W	4301330970	9262	FEE	OW	PA
MORRIS 2-7A3	07	010S	030W	4301330977	9725	FEE	OW	PA
POWELL 2-08A3	08	010S	030W	4301330979	10175	FEE	OW	PA
FISHER 2-6A3	06	010S	030W	4301330984	10110	FEE	OW	PA
JACOBSEN 2-12A4	12	010S	040W	4301330985	10480	FEE	OW	PA
CHENEY 2-33A2	33	010S	020W	4301331042	10313	FEE	OW	PA
HANSON TRUST 2-29A3	29	010S	030W	4301331043	5306	FEE	OW	PA
BURTON 2-15B5	15	020S	050W	4301331044	10205	FEE	OW	PA
EVANS-UTE 2-17B3	17	020S	030W	4301331056	10210	FEE	OW	PA
ELLSWORTH 2-20B4	20	020S	040W	4301331090	5336	FEE	OW	PA
REMINGTON 2-34A3	34	010S	030W	4301331091	1902	FEE	OW	PA
WINKLER 2-28A3	28	010S	030W	4301331109	4519	FEE	OW	PA
TEW 2-10B5	10	020S	050W	4301331125	1751	FEE	OW	PA
LINDSAY 2-33A4	33	010S	040W	4301331141	1756	FEE	OW	PA
FIELDSTED 2-28A4	28	010S	040W	4301331293	10665	FEE	OW	PA
POWELL 4-13A2	13	010S	020W	4301331336	11177	FEE	GW	PA
DUMP 2-20A3	20	010S	030W	4301331505	11691	FEE	OW	PA
SMITH 2X-23C7	23	030S	070W	4301331634	12382	FEE	D	PA
MORTENSEN 3-32A2	32	010S	020W	4301331872	11928	FEE	OW	PA
TODD USA ST 1-2B1	02	020S	010W	4304730167	99998	FEE	OW	PA
STATE 1-7B1E	07	020S	010E	4304730180	5555	FEE	OW	PA
BACON 1-10B1E	10	020S	010E	4304730881	5550	FEE	OW	PA
PARIETTE DRAW 28-44	28	040S	010E	4304731408	4537	FEE	OW	PA
REYNOLDS 2-7B1E	07	020S	010E	4304731840	4960	FEE	OW	PA
STATE 2-35A2	35	010S	020W	4301330156	4715	ML-22874	OW	PA
UTAH STATE L B 1-11B1	11	020S	010W	4304730171	5530	ML-23655	OW	PA
STATE 1-8A3	08	010S	030W	4301330286	5655	ML-24316	OW	PA
UTAH FEDERAL 1-24B1	24	020S	010W	4304730220	590	ML-26079	OW	PA
CEDAR RIM 15	34	030S	060W	4301330383	6395	14-20-462-1329	OW	S

UTE TRIBAL 2-24C7	24	030S	070W	4301331028	10240	14-20-H62-1135	OW	S	
CEDAR RIM 12	28	030S	060W	4301330344	6370	14-20-H62-1323	OW	S	
CEDAR RIM 16	33	030S	060W	4301330363	6390	14-20-H62-1328	OW	S	
SPRING HOLLOW 2-34Z3	34	010N	030W	4301330234	5255	14-20-H62-1480	OW	S	
EVANS UTE 1-17B3	17	020S	030W	4301330274	5335	14-20-H62-1733	OW	S	
UTE JENKS 2-1-B4 G	01	020S	040W	4301331197	10844	14-20-H62-1782	OW	S	
UTE 3-12B3	12	020S	030W	4301331379	11490	14-20-H62-1810	OW	S	
UTE TRIBAL 9-4B1	04	020S	010W	4301330194	5715	14-20-H62-1969	OW	S	
UTE TRIBAL 2-21B6	21	020S	060W	4301331424	11615	14-20-H62-2489	OW	S	
UTE 1-33B6	33	020S	060W	4301330441	1230	14-20-H62-2493	OW	S	
UTE 2-22B5	22	020S	050W	4301331122	10453	14-20-H62-2509	OW	S	
UTE 1-18B1E	18	020S	010E	4304730969	9135	14-20-H62-2864	OW	S	
LAUREN UTE 1-23A3	23	010S	030W	4301330895	9403	14-20-H62-3981	OW	S	
UTE 2-28B6	28	020S	060W	4301331434	11624	14-20-H62-4622	OW	S	
UTE 1-27B6X	27	020S	060W	4301330517	11166	14-20-H62-4631	OW	S	
UTE 2-27B6	27	020S	060W	4301331449	11660	14-20-H62-4631	OW	S	
CEDAR RIM 10-15C6	15	030S	060W	4301330328	6365	14-20-H62-4724	OW	S	
UTE 5-30A2	30	010S	020W	4301330169	5910	14-20-H62-4863	OW	S	
UTE TRIBAL G-1 (1-24C6)	24	030S	060W	4301330298	4533	14-20-H62-4866	OW	S	
UTE TRIBAL FEDERAL 1-30C5	30	030S	050W	4301330475	665	14-20-H62-4876	OW	S	
SMB 1-10A2	10	010S	020W	4301330012	5865	FEE	OW	S	
KENDALL 1-12A2	12	010S	020W	4301330013	5875	FEE	OW	S	
CEDAR RIM 2	20	030S	060W	4301330019	6315	FEE	OW	S	
URRUTY 2-9A2	09	010S	020W	4301330046	5855	FEE	OW	S	
BROTHERSON 1-14B4	14	020S	040W	4301330051	1535	FEE	OW	S	
RUST 1-4B3	04	020S	030W	4301330063	1575	FEE	OW	S	
MONSEN 1-21A3	21	010S	030W	4301330082	1590	FEE	OW	S	
BROTHERSON 1-10B4	10	020S	040W	4301330110	1614	FEE	OW	S	
FARNSWORTH 1-12B5	12	020S	050W	4301330124	1645	FEE	OW	S	
ELLSWORTH 1-16B4	16	020S	040W	4301330192	1735	FEE	OW	S	
MARSHALL 1-20A3	20	010S	030W	4301330193	9340	FEE	OW	S	
CHRISTMAN BLAND 1-31B4	31	020S	040W	4301330198	4745	FEE	OW	S	
ROPER 1-14B3	14	020S	030W	4301330217	1850	FEE	OW	S	
BROTHERSON 1-24B4	24	020S	040W	4301330229	1865	FEE	OW	S	
BROTHERSON 1-33A4	33	010S	040W	4301330272	1680	FEE	OW	S	
BROTHERSON 1-23B4	23	020S	040W	4301330483	8423	FEE	OW	S	
SMITH ALBERT 2-8C5	08	030S	050W	4301330543	5495	FEE	OW	S	
VODA JOSEPHINE 2-19C5	19	030S	050W	4301330553	5650	FEE	OW	S	
HANSEN 1-16B3	16	020S	030W	4301330617	9124	FEE	OW	S	
BROTHERSON 1-25B4	25	020S	040W	4301330668	9126	FEE	OW	S	
POWELL 2-33A3	33	010S	030W	4301330704	2400	FEE	OW	S	
BROWN 2-28B5	28	020S	050W	4301330718	9131	FEE	OW	S	
EULA-UTE 1-16A1	16	010S	010W	4301330782	8443	FEE	OW	S	
JESSEN 1-15A4	15	010S	040W	4301330817	9345	FEE	OW	S	
R HOUSTON 1-22Z1	22	010N	010W	4301330884	936	FEE	OW	S	
FIELDSTED 2-27A4	27	010S	040W	4301330915	9632	FEE	OW	S	
HANSKUTT 2-23B5	23	020S	050W	4301330917	9600	FEE	OW	S	
TIMOTHY 3-18A3	18	010S	030W	4301330940	9633	FEE	OW	S	
BROTHERSON 2-3B4	03	020S	040W	4301331008	10165	FEE	OW	S	
BROTHERSON 2-22B4	22	020S	040W	4301331086	1782	FEE	OW	S	
MILES 2-35A4	35	010S	040W	4301331087	1966	FEE	OW	S	
ELLSWORTH 2-17B4	17	020S	040W	4301331089	1696	FEE	OW	S	
RUST 2-36A4	36	010S	040W	4301331092	1577	FEE	OW	S	
EVANS 2-19B3	19	020S	030W	4301331113	1777	FEE	OW	S	
FARNSWORTH 2-12B5	12	020S	050W	4301331115	1646	FEE	OW	S	
CHRISTENSEN 3-4B4	04	020S	040W	4301331142	10481	FEE	OW	S	
ROBERTSON 2-29A2	29	010S	020W	4301331150	10679	FEE	OW	S	
CEDAR RIM 2A	20	030S	060W	4301331172	10671	FEE	OW	S	

HARTMAN 2-31A3	31	010S	030W	4301331243	11026	FEE	OW	S	
GOODRICH 2-2B3	02	020S	030W	4301331246	11037	FEE	OW	S	
JESSEN 2-21A4	21	010S	040W	4301331256	11061	FEE	OW	S	
BROTHERSON 3-23B4	23	020S	040W	4301331289	11141	FEE	OW	S	
MYRIN RANCH 2-18B3	18	020S	030W	4301331297	11475	FEE	OW	S	
BROTHERSON 2-2B5	02	020S	050W	4301331302	11342	FEE	OW	S	
DASTRUP 2-30A3	30	010S	030W	4301331320	11253	FEE	OW	S	
YOUNG 2-30B4	30	020S	040W	4301331366	11453	FEE	OW	S	
IORG 2-10B3	10	020S	030W	4301331388	11482	FEE	OW	S	
MONSEN 3-27A3	27	010S	030W	4301331401	11686	FEE	OW	S	
HORROCKS 2-5B1E	05	020S	010E	4304732409	11481	FEE	OW	S	
LARSEN 1-25A1	25	010S	010W	4304730552	815	FEE	OW	TA	
DRY GULCH 1-36A1	36	010S	010W	4304730569	820	FEE	OW	TA	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: BROTHERSON 3-23B4	
2. NAME OF OPERATOR: EP ENERGY E&P COMPANY, L.P.	9. API NUMBER: 43013312890000	
3. ADDRESS OF OPERATOR: 1001 Louisiana, Houston, TX, 77002	PHONE NUMBER: 713 997-5038 Ext	9. FIELD and POOL or WILDCAT: ALTAMONT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1177 FSL 1112 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 23 Township: 02.0S Range: 04.0W Meridian: U		COUNTY: DUCHESNE
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 10/1/2013	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input checked="" type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Please see attached for details.

**Approved by the
Utah Division of
Oil, Gas and Mining**

Date: November 19, 2013By: 

NAME (PLEASE PRINT) Maria S. Gomez	PHONE NUMBER 713 997-5038	TITLE Principal Regulatory Analyst
SIGNATURE N/A		DATE 9/18/2013



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43013312890000

- 1. Notify the Division at least 24 hours prior to conducting abandonment operations. Please call Dan Jarvis at 801-538-5338.**
- 2. Add Plug #1A: DO CIBP @ 8040' and spot 100' minimum plug (25 sx) from 8900' to 8800' to isolate open perfs in the spaced Lower Green River/Wasatch interval.**
- 3. Add Plug #2B: A 200' minimum plug (81sx) shall be balanced from 3900' to 3700' to isolate the base of moderately saline groundwater and offsetting injection zones.**
- 4. All balanced plugs shall be tagged to ensure that they are at the depth specified.**
- 5. All annuli shall be cemented from a minimum depth of 100' to the surface.**
- 6. Surface reclamation shall be done in accordance with R649-3-34 – Well Site Restoration.**
- 7. All requirements in the Oil and Gas Conservation General Rule R649-3-24 shall apply.**
- 8. If there are any changes to the procedure or the wellbore configuration, notify Dustin Doucet at 801-538-5281 (ofc) or 801-733-0983 (home) prior to continuing with the procedure.**
- 9. All other requirements for notice and reporting in the Oil and Gas Conservation General Rules shall apply.**



9/11/2013

Brotherson 3-23B4

API # 43-013-31289

Altamont Field – Duchesne County, Utah

SW/4 - SW/4

Section 23, T 2 S, R 4 W

Lat. = 40° 17' 20.8314" Long. = -110° 18' 29.6634"

Regulatory

Plug & Abandonment Procedure

CURRENT STATUS:

This well has been shut-in since September 2009.

BI	Unknown	Casing Fluid	Produced Fluid
BI	Unknown	TD:	12,600'
SI	Unknown	PBTD:	~8,020'
SI	Unknown		



9/11/2013

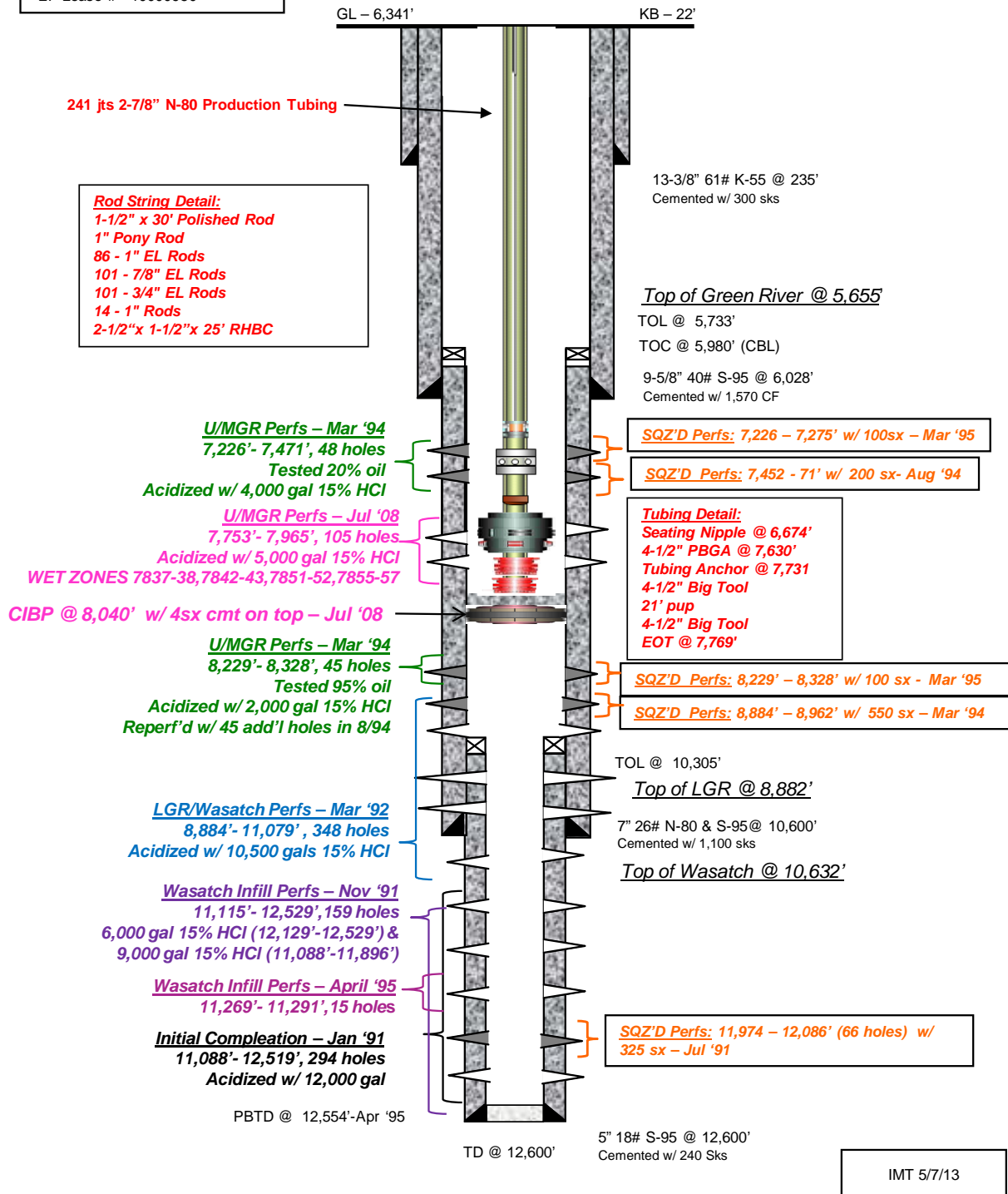
Current WBD



Brotherson 3-23B4

Altamont / Blue Bell Field
Duchesne Co, Utah
API - 43-013-31289
EP Lease # - 10000950

Wellbore Diagram Current (5/7/13)





9/11/2013

Proposed P&A WBD



Brotherson 3-23B4

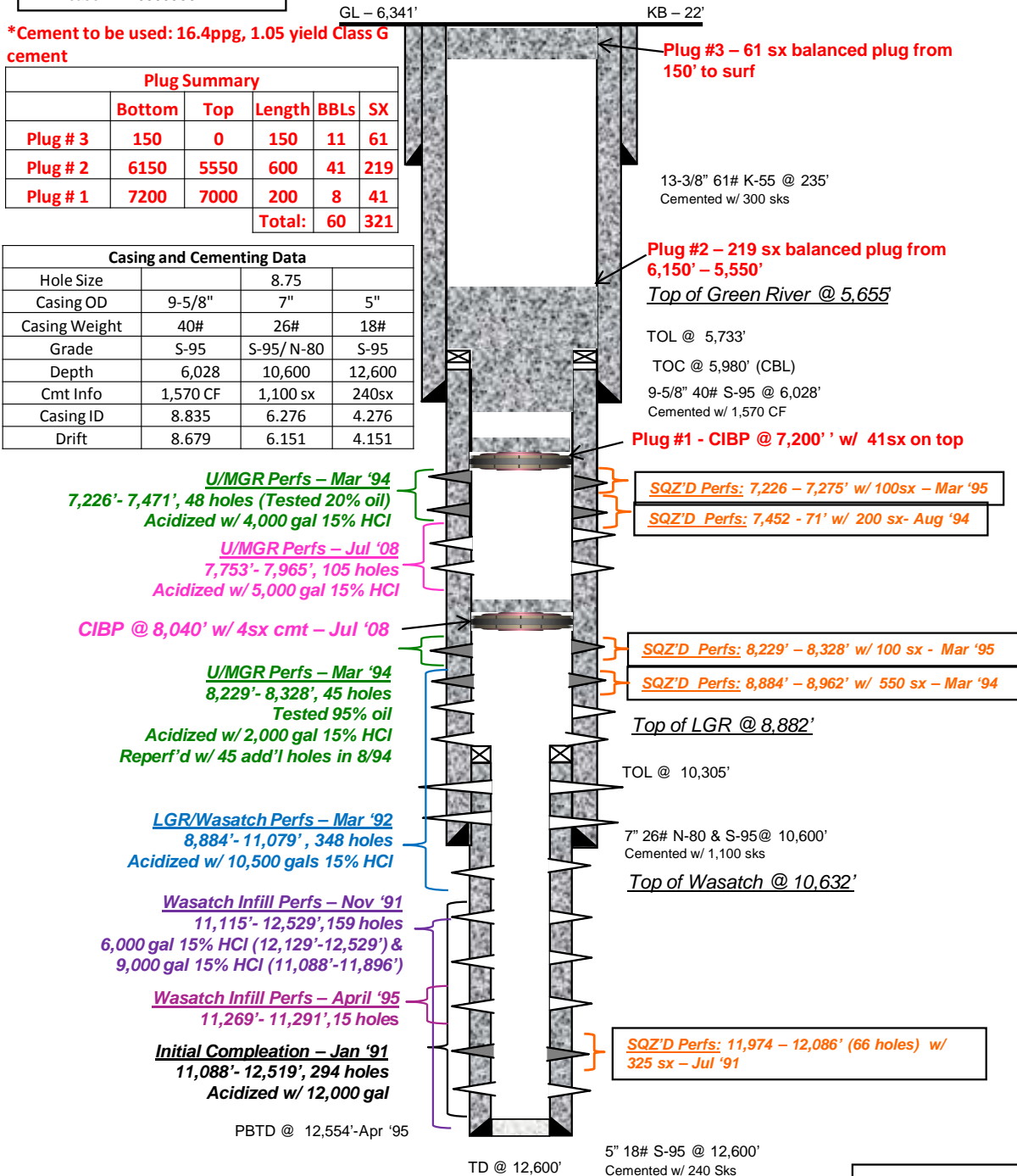
Altamont / Blue Bell Field
Duchesne Co, Utah
API - 43-013-31289
EP Lease # - 10000950

Wellbore Diagram Proposed P&A

***Cement to be used: 16.4ppg, 1.05 yield Class G cement**

Plug Summary					
	Bottom	Top	Length	BBLs	SX
Plug # 3	150	0	150	11	61
Plug # 2	6150	5550	600	41	219
Plug # 1	7200	7000	200	8	41
Total:			60	321	

Casing and Cementing Data			
Hole Size	8.75		
Casing OD	9-5/8"	7"	5"
Casing Weight	40#	26#	18#
Grade	S-95	S-95/N-80	S-95
Depth	6,028	10,600	12,600
Cmt Info	1,570 CF	1,100 sx	240sx
Casing ID	8.835	6.276	4.276
Drift	8.679	6.151	4.151



IMT 9-11-13



9/11/2013

Tubular Data

Material	Description	Burst (100%)	Col (100%)	ID	Drift ID	Capacity (bbl/ft)	TOC
Surface Casing	9-5/8" 40# S-95 @ 6,028	6820	3330	8.835	8.679	0.0758	Surface
Intermediate Liner	7" 26# N-80 & S-95@ TOL @ 5,733' - 10,600	7240 8600	5410 5870	6.276	6.151	0.0383	TOC @ 5,980' (CBL)
Production Liner	5" 18# S-95 @ TOL @ 10,305' - 12,600'	11770	12010	4.276	4.151	0.0178	TOL
Production Tubing	2-7/8" 6.5# N-80 8rd	10570	11160	2.441	2.347	0.0058	NA

Plug & Abandonment Procedure

- Testing tubing, use workstring and use CIBP/CICR as per Magna's recommendation.
1. Notify **Dan Jarvis w/ UDOGM @ 801-538-5338** and BLM of P&A operations **at least 24 hours** prior to start of well work (See Contact List).
 2. MIRU workover rig. RU Hot Oil Unit and pump hot FSW down casing to heat up tubing. Unseat pump and flush tubing & rods with hot water. POOH w/rods & pump.
 3. Send pump in for inspection & rebuild. ND tree and NU and test BOP's to 5,000# for 10 minutes. Have test recorded and charted to be signed and dated by well site supervisor. Record BOP serial number.
 4. RU Spoolers. Release tubing anchor at ~ 7,731' and POOH w/ cable & scanning tubing for wear. Lay out all bad joints. Check for NORM. If no NORM is found, note it in the daily report; If NORM is found in the tubing; Follow El Paso procedures and chain of custody paperwork for handling, wrapping and transporting NORM tubing to a proper cleaning or disposal site.
 5. MIRU E-line. RIH w/ GR (check min setting OD on CIBP/CIRC to be used) to 7,250'. RD E-line. If tag higher, continue with procedure, otherwise skip to step 7.
 6. PU 6-1/8" RB, 7" 26# casing scraper, 2 x 3 1/2" drill collars on 2 7/8" tubing (or workstring). Hydro test tubing to 7,000# while RIH. Work down to TOL @ ~7,250' and attempt to establish circ with FSW, circ until returns clean. POOH. If perforations take fluid on way in, mix a 10 bbl HEC pill and circulate around or spot as needed.

Plug #1

7. PU & MU a 7"- (26#) mechanical set CIBP/CICR on the tubing (or work-string) and TIH to $\pm 7,200'$. Set **CIBP @ $\pm 7,200'$** (above Top Perf @ 7,226'). Get off of CIBP & establish circulation.
8. Mix cement plug with **± 41 sacks (± 8 bbls)** of 16.4ppg 1.05 yield Class G cement. Lay in a **$\pm 200'$** balanced cement plug from **7,200' to 7,000' on top of the CIBP**.
9. PU above cement and Reverse circulate the hole clean; Monitor surface samples of cement to determine when the cement has set up. WOC.
10. Run back in and tag plug. If tag is lower than top of proposed plug, contact Houston
11. RU pump and high pressure piping to 2 7/8" tubing and Test all connections and choke manifold to 250psig/5000psig. Test 7" casing, plug & liner top to 500 psi. Note test in daily report.



9/11/2013

Contact Houston office if casing/plug/squeezes fail to test. If casing tests continue with procedure.

12. Circulate around non-corrosive fluid to 6,150'. POOH

Plug #2

13. Pull up to 6,150'.

14. Mix cement plug with **±219 sacks (±41bbls)** of 16.4ppg 1.05 yield Class G cement. Lay in a **±300'** balanced cement plug from **6,150' to 5,500'** (across Surface Casing Shoe @ 6,028', 7" Liner Top @ 5,733' & Top of Green River Formation @ 5,655').

15. PU above cement and Reverse circulate the hole clean; Monitor surface samples of cement to determine when the cement has set up. WOC.

16. Run back in and tag plug. If tag is lower than top of proposed plug, contact Houston.

17. Circulate around non-corrosive fluid to 150'.

Plug #3

18. Mix and circulate a **±150'** balanced cement plug from 150' to surface with **±61 sacks (±11bbls)** of 16.4ppg 1.05 yield Class G cement. Pump cement from surface until cement returns up the backside. POOH. With 1 jt left, circ around fresh water @ top 5'. WOC; Monitor surface samples of cement to determine when the cement has set up.

19. Weld and install dry hole plate. Dry hole plate is to include the following:

- | | |
|--------------------|-------------------------------------|
| 1. Well Name: | <u>Brotherson 3-23B4</u> |
| 2. Operator Name : | <u>EP Energy</u> |
| 3. API Number: | 43-013- 31289 |
| 4. Location: | <u>SW/4 SW/4 - 23, T 2 S, R 4 W</u> |

20. RD&MO rig & clean up location

21. Restore location as directed

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: EP ENERGY E&P COMPANY, L.P.		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 1001 Louisiana, Houston, TX, 77002		8. WELL NAME and NUMBER: BROTHERRSON 3-23B4
PHONE NUMBER: 713 997-5038 Ext		9. API NUMBER: 43013312890000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1177 FSL 1112 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 23 Township: 02.0S Range: 04.0W Meridian: U		9. FIELD and POOL or WILDCAT: ALTAMONT
		COUNTY: DUCHESNE
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 6/6/2015	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input type="checkbox"/> ACIDIZE</div> <div style="width: 33%;"><input type="checkbox"/> ALTER CASING</div> <div style="width: 33%;"><input type="checkbox"/> CASING REPAIR</div> <div style="width: 33%;"><input type="checkbox"/> CHANGE TO PREVIOUS PLANS</div> <div style="width: 33%;"><input type="checkbox"/> CHANGE TUBING</div> <div style="width: 33%;"><input type="checkbox"/> CHANGE WELL NAME</div> <div style="width: 33%;"><input type="checkbox"/> CHANGE WELL STATUS</div> <div style="width: 33%;"><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS</div> <div style="width: 33%;"><input type="checkbox"/> CONVERT WELL TYPE</div> <div style="width: 33%;"><input type="checkbox"/> DEEPEN</div> <div style="width: 33%;"><input type="checkbox"/> FRACTURE TREAT</div> <div style="width: 33%;"><input type="checkbox"/> NEW CONSTRUCTION</div> <div style="width: 33%;"><input type="checkbox"/> OPERATOR CHANGE</div> <div style="width: 33%;"><input type="checkbox"/> PLUG AND ABANDON</div> <div style="width: 33%;"><input type="checkbox"/> PLUG BACK</div> <div style="width: 33%;"><input type="checkbox"/> PRODUCTION START OR RESUME</div> <div style="width: 33%;"><input type="checkbox"/> RECLAMATION OF WELL SITE</div> <div style="width: 33%;"><input checked="" type="checkbox"/> RECOMPLETE DIFFERENT FORMATION</div> <div style="width: 33%;"><input type="checkbox"/> REPERFORATE CURRENT FORMATION</div> <div style="width: 33%;"><input type="checkbox"/> SIDETRACK TO REPAIR WELL</div> <div style="width: 33%;"><input type="checkbox"/> TEMPORARY ABANDON</div> <div style="width: 33%;"><input type="checkbox"/> TUBING REPAIR</div> <div style="width: 33%;"><input type="checkbox"/> VENT OR FLARE</div> <div style="width: 33%;"><input type="checkbox"/> WATER DISPOSAL</div> <div style="width: 33%;"><input type="checkbox"/> WATER SHUTOFF</div> <div style="width: 33%;"><input type="checkbox"/> SI TA STATUS EXTENSION</div> <div style="width: 33%;"><input type="checkbox"/> WILDCAT WELL DETERMINATION</div> <div style="width: 33%;"><input type="checkbox"/> OTHER</div> </div>
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	
<input type="checkbox"/> SPUD REPORT Date of Spud:	
<input type="checkbox"/> DRILLING REPORT Report Date:	
OTHER: <input style="width: 100%;" type="text"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

- POOH w/ tubing & rods • Squeeze perfs from 7,753' - 7,965', 105 holes with 360 sx Class "G" • Drill out plug @ 8,040' • RIH w/BHA, tubing, pump, and rods • Resume production from perfs at 8,884' - 12,529' • Clean location

**Approved by the
 Utah Division of
 Oil, Gas and Mining**
 June 05, 2014

Date: _____

By: Derek Duff

NAME (PLEASE PRINT) Maria S. Gomez	PHONE NUMBER 713 997-5038	TITLE Principal Regulatory Analyst
SIGNATURE N/A	DATE 6/5/2014	



GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

September 4, 2014

CERTIFIED MAIL NO.: 7011 2970 0001 8828 1627

Ms. Maria Gomez
EP Energy E&P Company, LP.
1001 Louisiana
Houston, TX 77002

43 013 31289
BrotherSON 3-23B4
23 2S 4W

Subject: Extended Shut-in and Temporary Abandoned Well Requirements for Fee or State Leases

Dear Ms. Gomez:

As of April 2014, EP Energy E&P Company, LP (EP) has twenty-seven (27) Fee Lease Wells (see attachment A) that are currently in non-compliance with the requirements for extended shut-in or temporarily abandoned (SI/TA) status. Two (2) wells in 2013 and four (4) wells in 2014 were added to EP's SI/TA list.

The Division has worked with EP for many years to reduce the immense number of wells that were in non-compliance status. The Division feels that EP's SI/TA list is now at a manageable number; therefore all wells need to be addressed.

EP has a number of wells that were proposed for plugging (attachment A) but have not been plugged. Additionally, four (4) wells were inspected and reported as plugged by Division inspectors, but EP has failed to file subsequent plugging sundries and consequently are still listed as SI/TA (attachment A).

It has also come to the Division's attention that there are unresolved complaints against EP from landowners concerning spills and site access. Specifically with reference to the Christensen 3-4B4, pictures showing the state of the well were sent to the Division; it appears that this well is nowhere near being capable of production. This is cause for concern which needs to be addressed.

EP shall immediately submit plans and timeframes for each well stating which wells will be plugged, placed back on production, or requesting SI/TA extension with proof of wellbore integrity and good cause for such request. All wells need an individual sundry filed and are required to meet the SI/TA rules as listed below.



September 4, 2014

Wells SI/TA beyond twelve (12) consecutive months requires filing a Sundry Notice (R649-3-36-1). Wells with five (5) years non-activity or non-productivity shall be plugged, unless the Division grants approval for extended shut-in time upon a showing of good cause by the operator (649-3-36-1.3.3). For extended SI/TA consideration the operator shall provide the Utah Division of Oil, Gas & Mining with the following:

1. Reasons for SI/TA of the well (R649-3-36-1.1)
2. The length of time the well is expected to be SI/TA (R649-3-36-1.2), and
3. An explanation and supporting data if necessary, for showing the well has integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence or absence of Underground Sources of Drinking Water and other factors do not make the well a risk to public health and safety or the environment (R649-3-36-1.3).

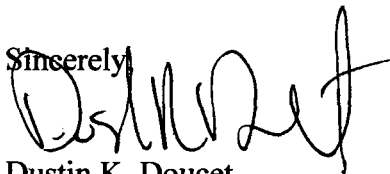
Please note that the Divisions preferred method for showing well integrity is by MIT

Submitting the information suggested below may help show well integrity and may help qualify your well for extended SI/TA. **Note: As of July 1, 2003, wells in violation of the SI/TA rule R649-3-36 may be subject to full cost bonding (R649-3-1-4.2, 4.3).**

1. Wellbore diagram, and
2. Copy of recent casing pressure test, and
3. Current pressures on the wellbore (tubing pressure, casing pressure, and casing/casing annuli pressure) showing wellbore has integrity, and
4. Fluid level in the wellbore, and
5. An explanation of how the submitted information proves integrity.

If the required information is not received within 30 days of the date of this notice, further actions may be initiated. If you have any questions concerning this matter, please contact me at (801) 538-5281.

Sincerely,



Dustin K. Doucet
Petroleum Engineer

DKD/JP/js

cc: Compliance File
Well File

N:\O&G Reviewed Docs\ChronFile\PetroleumEngineer\SITA

ATTACHMENT A

	Well Name	API	LEASE	Years Inactive	Proposed PA	Plugged
1	CEDAR RIM 2	43-013-30019	FEE	12 years 7 months	Needs subsequent	7/17/2013
2	CHRISTENSEN 3-4B4	43-013-31142	FEE	10 years 4 month	5/10/2010	
3	DRY GULCH 1-36A1	43-047-30569	FEE	22 years 1 moth		
4	LARSEN 1-25A1	43-047-30552	FEE	10 years 11 months		
5	FARSWORTH 2-12B5	43-013-31115	FEE	10 years 5 months	5/18/2007	
6	BROTHERSON 1-10B4	43-013-30110	FEE	9 years 11 months		
7	BROTHERSON 1-24B4	43-013-30229	FEE	8 years 11 months		
8	BROTHERSON 1-33A4	43-013-30272	FEE	7 years 1 month		
9	MILES 2-35A4	43-013-31087	FEE	6 years 11 months	12/31/2012	
10	SMB 1-10A2	43-013-30012	FEE	4 years 8 months		
11	RUST 1-4B3	43-013-30063	FEE	4 years 7 months	Needs subsequent	9/19/2013
12	SMITH ALBERT 2-8C5	43-013-30543	FEE	4 years 9 months	Needs subsequent	12/4/2013
13	VODA JOSEPHINE 2-19C5	43-013-30553	FEE	4 years 9 months		
14	BROWN 2-28B5	43-013-30718	FEE	4 years 3 months		
15	HANSUKUTT 2-23B5	43-013-30917	FEE	4 years 8 months	Needs subsequent	10/24/2013
16	BROTHERSON 3-23B4	43-013-31289	FEE	4 years 9 months		
17	BROTHERSON 1-14B4	43-013-30051	FEE	3 years 11 months		
18	BROTHERSON 2-3B4	43-013-31008	FEE	3 years 6 months		
19	POWELL 2-33A3	43-013-30704	FEE	3 years 1 month	6/1/2014	
20	BROTHERSON 2-3B4	43-013-31008	FEE	3 years 3 months		
21	DASTRUP 2-30A3	43-013-31320	FEE	3 years 8 months		
22	R HOUSTON 1-22Z1	43-013-30884	FEE	2 years 3 months		
23	HORROCKS 5-20A1	43-013-34280	FEE	4 years 7 months		
24	BELCHER 2-33B4	43-013-30907	FEE	1 year 2 months		
25	CEDAR RIM 2A	43-013-31172	FEE	2 years 2 months		
26	EULA-UTE 1-16A1	43-013-30782	FEE	1 year 11 months		
27	HANSEN 1-16B3	43-013-30617	FEE	1 year 8 months		

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: BROTHERSON 3-23B4	
2. NAME OF OPERATOR: EP ENERGY E&P COMPANY, L.P.	9. API NUMBER: 43013312890000	
3. ADDRESS OF OPERATOR: 1001 Louisiana , Houston, TX, 77002	PHONE NUMBER: 713 997-5038 Ext	9. FIELD and POOL or WILDCAT: ALTAMONT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1177 FSL 1112 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 23 Township: 02.0S Range: 04.0W Meridian: U		COUNTY: DUCHESNE
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 10/7/2014	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input checked="" type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Well back on production 07/17/2014. Thanks,

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 October 23, 2014

NAME (PLEASE PRINT) Maria S. Gomez	PHONE NUMBER 713 997-5038	TITLE Principal Regulatory Analyst
SIGNATURE N/A		DATE 10/7/2014

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MININGAMENDED REPORT ☐ FORM 8
(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG						5. LEASE DESIGNATION AND SERIAL NUMBER:					
						6. IF INDIAN, ALLOTTEE OR TRIBE NAME					
						7. UNIT or CA AGREEMENT NAME					
						8. WELL NAME and NUMBER:					
1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER _____						9. API NUMBER:					
b. TYPE OF WORK: NEW WELL <input type="checkbox"/> HORIZ. LATS. <input type="checkbox"/> DEEP-EN <input type="checkbox"/> RE-ENTRY <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER _____						10 FIELD AND POOL, OR WILDCAT					
2. NAME OF OPERATOR:						11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:					
3. ADDRESS OF OPERATOR: CITY _____ STATE _____ ZIP _____						PHONE NUMBER: _____		12. COUNTY		13. STATE UTAH	
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: AT TOP PRODUCING INTERVAL REPORTED BELOW: AT TOTAL DEPTH:						17. ELEVATIONS (DF, RKB, RT, GL):					
14. DATE SPUDDED:		15. DATE T.D. REACHED:		16. DATE COMPLETED: ABANDONED <input type="checkbox"/> READY TO PRODUCE <input type="checkbox"/>		21. DEPTH BRIDGE MD PLUG SET: TVD					
18. TOTAL DEPTH: MD TVD		19. PLUG BACK T.D.: MD TVD		20. IF MULTIPLE COMPLETIONS, HOW MANY? *		23. WAS WELL CORED? NO <input type="checkbox"/> YES <input type="checkbox"/> (Submit analysis) WAS DST RUN? NO <input type="checkbox"/> YES <input type="checkbox"/> (Submit report) DIRECTIONAL SURVEY? NO <input type="checkbox"/> YES <input type="checkbox"/> (Submit copy)					
22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)											
24. CASING AND LINER RECORD (Report all strings set in well)											
HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED		
25. TUBING RECORD											
SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)			
26. PRODUCING INTERVALS					27. PERFORATION RECORD						
FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS			
(A)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>			
(B)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>			
(C)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>			
(D)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>			
28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.											
DEPTH INTERVAL		AMOUNT AND TYPE OF MATERIAL									
29. ENCLOSED ATTACHMENTS:								30. WELL STATUS:			
<input type="checkbox"/> ELECTRICAL/MECHANICAL LOGS				<input type="checkbox"/> GEOLOGIC REPORT		<input type="checkbox"/> DST REPORT		<input type="checkbox"/> DIRECTIONAL SURVEY			
<input type="checkbox"/> SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION				<input type="checkbox"/> CORE ANALYSIS		<input type="checkbox"/> OTHER: _____					

31. INITIAL PRODUCTION**INTERVAL A (As shown in item #26)**

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)**33. SUMMARY OF POROUS ZONES (Include Aquifers):**

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)

35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) _____ TITLE _____

SIGNATURE _____ DATE _____

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

CENTRAL DIVISION

ALTAMONT FIELD
BROTHERSON 3-23B4
BROTHERSON 3-23B4
WORKOVER LAND

Operation Summary Report

Disclaimer: Although the information contained in this report is based on sound engineering practices, the copyright owner(s) does (do) not accept any responsibility whatsoever, in negligence or otherwise, for any loss or damage arising from the possession or use of the report whether in terms of correctness or otherwise. The application, therefore, by the user of this report or any part thereof, is solely at the user's own risk.

1 General

1.1 Customer Information

Company	CENTRAL DIVISION
Representative	
Address	

1.2 Well Information

Well	BROTHERSON 3-23B4		
Project	ALTAMONT FIELD	Site	BROTHERSON 3-23B4
Rig Name/No.		Event	WORKOVER LAND
Start date	7/1/2014	End date	7/25/2014
Spud Date/Time	11/25/1990	UWI	023-002-S 004-W 30
Active datum	KB @6,363.0ft (above Mean Sea Level)		
Afe No./Description	163231/51892 / BROTHERSON 3-23B4		

2 Summary

2.1 Operation Summary

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
7/2/2014	6:00 7:00	1.00	PRDHEQ	28		P		CREW TRAVEL, HSM, WRITE & REVIEW JSA (TOPIC) RIGGING DOWN / RIGGING UP
	7:00 9:30	2.50	RDMO	02		P		R/D RIG, CLEAN LOCATION, ROAD RIG FROM 1-1B3 TO THE 3-23B4
	9:30 12:00	2.50	MIRU	01		P		MIRU, PUMP 60 BBLS HOT 2% DOWN CSG WHILE L/D HORSE HEAD, UNSEAT PUMP
	12:00 13:00	1.00	PRDHEQ	18		P		R/U HOTOILER, FLUSH RODS W/ 60 BBLS HOT 2%, WELL WAS CIRCULATING UP CSG
	13:00 16:00	3.00	PRDHEQ	39		P		POOH W/ 86-1", 101-7/8", 101-3/4", L/D 14-1" & 2 1/2" X 1 1/2" X 30' PUMP, FLUSH RODS AS NEEDED.
	16:00 18:00	2.00	PRDHEQ	16		P		X-O TO TBG EQUIP., N/D WELLHEAD, BOLTS ARE ALL RUSTY, P/U ON TBG, LAND TBG BACK, SECURE WELL, GET BOP'S READY TO N/U, SDFD
7/3/2014	6:00 7:00	1.00	PRDHEQ	28		P		CREW TRAVEL HSM WRITE & REVIEW JSA (TOPIC) BLOW OUT PREVENTION
	7:00 10:15	3.25	PRDHEQ	16		P		N/D 11K X 3K SPOOL, N/U 5K BOP'S & HYDRILL, R/U FLOOR & TONGS, RELEASE 7" ANCHOR @ 7753'
	10:15 12:00	1.75	PRDHEQ	39		P		R/U BAKER SHIV'S, POOH W/ 48 JTS 2 7/8" TBG & #4 CABLE
	12:00 13:30	1.50	PRDHEQ	06		P		R/U HOTOILER TO TBG, CIRCULATE OIL OUT OF WELL W/ 140 BBLS HOT 2% GOT BACK AROUND 80 BBLS OF OIL
	13:30 18:00	4.50	PRDHEQ	39		P		CONTINUE POOH W/ TBG & #4 CABLE, 110 JTS 2 7/8",CIRCULATE OIL OUT AS NEEDED W/ 160 BBLS RECOVER 175 BBLS OIL, SECURE WELL, SDFD EOT @ 3102'
7/4/2014	8:00 9:00	1.00	PRDHEQ	28		P		CREW TRAVEL WRITE & REVIEW JSA (TOPIC) HAZARDOUS COMMUNICATIONS
	9:00 14:00	5.00	PRDHEQ	39		P		STEAM OFF FLOOR & STAIRWAY, CONTINUE POOH W/ 91 JTS 2 7/8" TBG & #4 CABLE, L/D 6' TBG SUB, 1 JT 2 7/8", PSN, 4' TBG SUB, 3 1/2" PBGA, 2 JTS 2 7/8",SOLID PLUG, 4' SLOTTED TBG SUB, 7" TAC, 4' SLOTTED TBG SUB, 2 7/8" X 2 3/8" X-O, BIG TOOL # 1, PARTIAL JT 2 3/8" & BIG TOOL # 2, SECURE WELL, STEAM OFF FLOOR & BOP'S, SDFW
7/5/2014	6:00 6:00	24.00	PRDHEQ	18		P		NO ACTIVITY, SDFHW
7/6/2014	6:00 6:00	24.00	PRDHEQ	18		P		NO ACTIVITY, SDFHW
7/7/2014	6:00 6:00	24.00	PRDHEQ	18		P		NO ACTIVITY, SDFHW

2.1 Operation Summary (Continued)

Date	Time Start-End	Duratio n (hr)	Phase	Activit y	Sub	OP Code	MD from (ft)	Operation
7/8/2014	6:00 7:30	1.50	WOR	28		P		CT HOLD SAFETY MTG ON HYDRO TESTING TBG, WWRITE & REVIEW JSA'S
	7:30 16:00	8.50	WOR	39		P		MIRU HYDRO TESTING EQUIP, MU & TIH W/ RET HEAD, TALLYING & HYDRO TESTING 246 JTS 2-7/8" EUE TBG TO 8500 PSI, RIG DWN TESTING EQUIP
	16:00 19:00	3.00	WOR	39		P		TALLY & PU 6 JTS 2-7/8 TBG, TAG TOP OF STRADDLE PKR ASSY @ 7831' ATTEMPT TO LATCH ONTO NO LUCK, RU PUMP LINES BREAK CIRC W/ 32 BBLs PUMPING DWN TBG, ATTEMPT TO LATCH ONTO PKR NO LUCK, LD 2 JTS 2-7/8" TBG & STAND BACK IN DERRICK W/ 40 JTS 2-7/8" TBG SECURE WELL SDFN
7/9/2014	6:00 7:30	1.50	WOR	28		P		CT HOLD SAFETY MTG ON OVER HEAD LOADS WRITE & REVIEW JSA'S
	7:30 9:30	2.00	WOR	39		P		0 PSI ON WELL, CONT TOO H W/ 224 JTS 2-7/8" TBG & RET HEAD
	9:30 11:00	1.50	SL	32		P		MIRU DELSCO, RIH W/ 4-1/2" IMPRESSION BLOCK TAG TOP OF PKR POOH RIG DWN SLICK LINE
	11:00 14:00	3.00	WOR	42		P		WAIT ON FISHING TOOLS
	14:00 17:30	3.50	WOR	39		P		MU & RIH W/ 5-7/8" OVER SHOT DRESSED W/ 4-1/2" GRAPPLE, BUMPER SUB, JARS, 3-1/2" IF X 2-7/8" EUE X OVER, 6' X 2-7/8" TBG SUB, 2-7/8" + 45 PSN, & 251 JTS 2-7/8" TBG TAG TOP OF STRADDLE ASSY @ 7831'
	17:30 18:30	1.00	WOR	18		P		ATTEMPT TO LATCH ONTO TOP OF PKR, NO PULL OVER OR TORQUE
	18:30 20:00	1.50	WOR	39		P		POOH W/ 251 JTS 2-7/8" TBG & FISHING TOOL ASSY SECURE WELL SDFN
7/10/2014	6:00 7:30	1.50	WOR	28		P		CT HOLD SAFETY MTG ON 3 POINT CONTACT WHILE CLIMBING LADDERS & STAIR WAYS, WRITE & REVIEW JSA'S
	7:30 10:00	2.50	WOR	39		P		MU & RIH W/ 7" ON-OFF TOOL, 2-7/8" X 3-1/2" IF X OVER, BUMPER SUB, JARS, 3-1/2" X 2-7/8" EUE X OVER, 6' X 2-7/8" EUE PUP JNT, 2-7/8" =45 P.S.N. & 251 JTS 2-7/8" TBG TO TOP OF PKR @ 7831'
	10:00 12:30	2.50	WOR	18		P		RU POWER SWIVEL, ATTEMPT TO LATCH ONTO PKR WHILE CIRCULATING WELL, WOULD PULL OVER 15K & PULL OFF, PRESSURE UP WHEN GOING DWN OVER PKR TOP, RIG DWN POWER SWIVEL
	12:30 15:00	2.50	WOR	39		P		TOOH W/ 251 JTS 2-7/8" TBG, FISHING ASSY & ON-OFF TOOL, (VIEW ON-OFF TOOL & PKR WAS NOT GOING ALL THE WAY OVER TO J UP)
	15:00 19:00	4.00	WOR	39		P		MU & TIH W/ 5.875 OVER SHOT DRESSED W/ 3-1/4" GRAPPLE, FISHING ASSY, & 251 JTS 2-7/8" TBG, ATTEMPT TO LATCH ONTO PKR TOP, WHILE CIRCULATING, NO LUCK, IT WOULD SPIN FREE W/ NO TORQUE & NOT GOING OVER THE TOP, TOO H W/ 25 JTS 2-7/8" TBG SECURE WELL SDFN
7/11/2014	6:00 7:30	1.50	WOR	28		P		CT HOLD SAFETY MTG ON TOO H W/ TBG WRITE & REVIEW JSA'S
	7:30 9:30	2.00	WOR	39		P		OPEN WELL CONT TOO H W/ 226 JTS 2-7/8" TBG, FISHING ASSY & 3-1/4" GRAPPLE
	9:30 14:00	4.50	WOR	18		P		WAIT ON 3-1/4" SHOE TO GET BUILT & TO LOC
	14:00 17:30	3.50	WOR	39		P		TIH W/ 5.75 X 3-1/4" SHOE FISHING ASSY, & 226 JTS 2-7/8" TBG, SECURE WELL SDFN
7/12/2014	6:00 7:30	1.50	WOR	28		P		CT HOLD SAFETY MTG ON RU POWER SWIVEL, WRITE & REVIEW JSA'S
	7:30 10:00	2.50	WOR	39		P		0 PSI ON WELL, CONT TIH W/ 25 JTS 2-7/8" TBG, RU POWER SWIVEL, MILL OVER TOP OF PKR FROM 7831' TO 7832', CIRC TBG CLEAN

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
	10:00 12:30	2.50	WOR	39		P		RD POWER SWIVEL, TOO H W/ 251 JTS 2-7/8" TBG & 7" X 3-1/4" SHOE
	12:30 16:00	3.50	WOR	39		P		MU & RIH W/ 3-1/4" GRAPPLE, FISHING ASSY & 251 JTS 2-7/8" TBG LATCH ONTO PKR & WORK STRADDLE PKR ASSY FREE
	16:00 19:00	3.00	WOR	39		P		TOOH W/ 251 JTS 2-7/8" TBG, LD FISHING ASSY, 7" HYDRO SEAL PKR, 1 JT 2-7/8" TBG, 7" MODEL R PKR, 6' X 2-7/8" TBG SUB & 2-7/8" WL RE ENTRY GUIDE, SECURE WELL SDFN
7/13/2014	6:00 7:30	1.50	WOR	28		P		CT HOLD SAFETY MTG ON USING TAG LINES WRITE & REVIEW JSA'S
	7:30 12:00	4.50	WOR	39		P		MU & RIH W/ 7" RBP, RET HEAD, 6' X 2-7/8" TBG SUB, 7" HD PKR, 2-7/8" +45 PSN, & 257 JTS 2-7/8" EUE N-80 TBG, SET RBP @ 8000', POOH W/ 9 JTS 2-7/8" TBG SET PKR @ 7701'
	12:00 13:30	1.50	WOR	18		P		FILL CSG W/ 25 BBLS 2% KCL & TEST CSG TO 1000 PSI FOR 15 MIN GOOD TEST, FILL TBG & EST INJ RATE ON SQUEEZE PERFS FROM 7753'-7965' 3.3 BPM @ 1000 PSI, RELEASE PKR, RIH W/ 9 JTS RELEASE PLUG & RESET PKR @ 7990' TEST CIBP @ 8040' TO 1000 PSI GOOD TEST, RELEASE PKR
	13:30 16:30	3.00	WOR	39		P		TOOH W/ 257 JTS 2-7/8" TBG, 7" PKR & PLUG SECURE WELL SDFW
7/14/2014	6:00 6:00	24.00	WOR	18		P		NO ACTIVITY SDFW
7/15/2014	6:00 7:30	1.50	WOR	28		P		CT HOLD SAFETY MTG ON WORKING W/ WL, WRITE & REVIEW JSA'S
	7:30 9:30	2.00	WLWORK	26		P		MIRU LONE WOLF WIRE LINE, RIH & SET 7" COMPOSITE RETAINER @ 7200', POOH RIG DWN WIRE LINE
	9:30 12:00	2.50	WOR	39		P		RIH W/ 7" CMT STINGER, 232 JTS 2-7/8" TBG, SPACE OUT W/ 2' X 2-7/8" TBG SUB
	12:00 15:00	3.00	WOR	06		P		FILL CSG W/ 15 BBLS 2% KCL & TEST TO 1000 PSI, PUMP DWN TBG EST INJ RATE @ 3 BPM @ 900 PSI SECURE WELL SHUT DOWN FOR DAY
7/16/2014	6:00 7:30	1.50	WOR	28		P		CT HOLD SAFETY MTG ON HIGH PRESSURE PUMP LINES WRITE & REVIEW JSA'S
	7:30 12:00	4.50	PRDHEQ	05		P		MIRU HALLIBURTON CMT EQUIP, TEST PUMP LINES TO 5000 PSI, PRESSURE CSG UP TO 700 PSI, EST INJ RATE DWN TBG 3 BPM @ 900 PSI W/ 12 BBLS FRESH WATER, PUMP 475 SX CLASS G CMT W/ ADDITIVES 15.8# 1.15 YIELD 4.95 GLS WTR PER SX, DISPLACE W/ 30 BBLS FRESH WATER, STAGE CMT W/ 12 BBLS IN TBG, STING OUT OF RETAINER @ 1320 PSI (MAXED CMT PUMP TIME OUT) REVERSE OUT W/ 60 BBLS RECOVERING 9 BBLS CMT BACK, WASH UP & RIG DWN CMT EQUIP
	12:00 14:00	2.00	WOR	39		P		TIH W/ 232 JTS 2-7/8" TBG & 7" CMT STINGER
	14:00 16:30	2.50	WOR	39		P		TALLY MU & TIH W/ 6-1/8" ROCK BIT, BIT SUB, 4 4-3/4" DRILL COLLARS, X OVER & 179 JTS 2-7/8" EUE N-80 TBG EOT @ 5660' SECURE WELL SDFN
7/17/2014	6:00 7:00	1.00	WOR	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; DRILLING CMT
	7:00 9:00	2.00	WOR	10		P		FINISH TIH w 49-JTS OF 2 7/8" TBG TOH L/D 20 JTS TO DRILL WITH TIH w 20 JTS OUT OF DERRICK TAG TOC AT 7195'
	9:00 18:00	9.00	WOR	10		P		R/U POWER SWIVEL ESTABLISH CIRC DRILL CMT AND CMT RETAINER AT 7200' DRILL OUT TO 7259' CIRC WELL CLEAN P/U 1 JT SECURE WELL SDFN
7/18/2014	6:00 7:00	1.00	WOR	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; DRILLING CEMENT
	7:00 18:00	11.00	WOR	10		P		TIH w 1 JT TAG AT 7295' ESTABLISH CIRC CONTINUE DRILLING CMT TO 7530' (235 ft) CIRC WELL CLEAN TOH w 1 JT SECURE WELL SDFN

7/19/2014

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
	6:00 7:30	1.50	WOR	28		P		CREW TRAVEL HELD SAFETY MEETING ON POWER SWIVEL, FILLED OUT JSA.
	7:30 18:30	11.00	WOR	10		P		WELL FULL. ESTABLISHED REVERSE CIRCULATION. DRILLCEM FROM 7530 TO 7702'. PRESSURE TEST CSG TO 1000 PSI HELD. CONTINUED DRILLING CEMENT TO 7890' CIRCULATE TUBING CLEAN. TOOH 1- JT EOT @ 7857' SECURED WELL SDFN.
7/20/2014	6:00 7:30	1.50	WOR	28		P		CREW TRAVEL HELD SAFETY MEETING ON PUMPING PRESSURE. FILLED OUT JSA.
	7:30 10:00	2.50	WOR	10		P		ESTABLISHED RREVERSE CIRCULATION, DRILLED CEM FROM 7890' FELL THRU @ 7987' CIRCULATE TBG CLEAN. PRESSURE TEST CSG @ 1000' PSI HELD.
	10:00 12:00	2.00	WOR	06		P		CIRCULATE WELL CLEAN W/ 525 BBLS 2% KCL.
	12:00 15:00	3.00	WOR	10		P		DRILLED OUT CIBP @ 8040' LOST CIRCULATION. RD POWER SWIVEL.
	15:00 16:30	1.50	WOR	24		P		PU AND TALLIED 70 JTS 2 7/8 L-80 EUE TBG.TAGGED LINER TOP RU POWER SWIVEL DRILLED ON REMAINS OF CIBP. FOR 30 MINS, RD POWER SWIVEL. TOOH W/ 20-JTS EOT @9650' SECURED WELL SDFN.
7/21/2014	6:00 6:00	24.00	WOR	18		P		NO ACTIVITY
7/22/2014	6:00 7:00	1.00	WOR	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; TRIPPING TUBING
	7:00 11:30	4.50	WOR	39		P		TOH w 2 7/8" TBG L/D DRILL COLLARS AND 6" BIT
	11:30 18:00	6.50	WOR	39		P		P/U 4 1/8" BIT TALLY AND P/U 72-JTS OF 2 3/8" TBG XO CHANGE HANDLING TOOLS CONTINUE w 259-JTS OF 2 7/8" TBG TAG AT 10305' L/D 1-JT INSTALL STRIPPING RUBBER R/U POWER SWIVEL SECURE WELL SDFN
7/23/2014	6:00 7:00	1.00	WOR	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; CLEAN OUT OPERATIONS
	7:00 8:30	1.50	WOR	10		P		ESTABLISH CIRC w 340 BBLS OF 2% KCL WATER
	8:30 18:00	9.50	WOR	10		P		CONTINUE DRILLING CIBP AT LINER TOP CHASE PLUG w 2-JTS R/D POWER SWIVEL TIH TAG AT 12552' BTM PERF AT 12519'
	18:00 19:00	1.00	WOR	39		P		TOH ABOVE THE 5" LINER TOP AT 10305' w 41-JTS OF 2 7/8" TBG EOT 10275' SECURE WELL SDFN
7/24/2014	6:00 7:00	1.00	WOR	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; TRIPPING TUBING
	7:00 13:00	6.00	WOR	39		P		CSIP 0 PSI TSIP 0 PSI TOH w 259-JTS OF 2 7/8" TBG L/D 72-JTS OF 2 3/8" TBG L/D 4 1/8" BIT
	13:00 16:00	3.00	WOR	39		P		P/U 5 3/4" NO-GO 2-JTS OF 2 7/8" TBG 4 1/2" PBGA w DIP TUBE 2' X 2 7/8" TBG SUB 2 7/8" PSN 4-JTS OF 2 7/8" TBG 7" TAC 279 JTS OF 2 7/8" TBG SECURE WELL
	16:00 17:00	1.00	WOR	18		N		RIG BROKE DOWN WAIT ON MECHANIC COPPER LINE TO THE AIR ACTUATOR TWISTED UP REPLACE LINES
	17:00 18:30	1.50	WOR	39		P		HSM FINISH TIH w 2 7/8" TBG TTL OF 319 JTS SET 7" TAC SECURE WELL SDFN
7/25/2014	6:00 7:00	1.00	WOR	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; N/D BOPE AND HYDRILL
	7:00 10:00	3.00	WOR	16		P		N/D HYDRILL AND BOPE N/U WELL HEAD PLUM IN WELL HEAD TO FACILITIES
	10:00 11:30	1.50	WOR	06		P		FLUSH TBG w 60 BBLS OF HOT 2% KCL WATER AND CHEMICAL WELL FILLED UP FINISH FLUSH TO TREATED
	11:30 19:00	7.50	WOR	39		P		P/U AND PRIME 2-1/2" X 1-1/2" X 28" RHBC PUMP P/U 10- 1-1/2" K BARS 176-3/4" 107-7/8" 108-1" SPACE OUT PUMP w 2',8' X 1" PONY RODS FILLTBG w 21BBLS OF 2% KCL WATER TEST AND STROKE TEST 1000 PSI GOOD R/U HORSE HEAD ON UNIT HANG RODS OFF RUN 60' OF CAP STRING RDMO TURN WELL OVER TO PRODUCTION

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